FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

No. 2554.—Vol. LIV.

LONDON, SATURDAY, AUGUST 2, 1884.

SUPPLEMENT. | PRICE SIXPENCE.

R. JAMES H. CROFTS, STOCK AND SHARE DEALER, No. 1, PINCH LANE, CORNHILL, LONDON, E.C. ESTABLISHED 1842.

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rket value. Every Friday a GENERAL and RELIABLE LIST issued (a copy of which I be forwarded on application), containing closing prices of the week. be forwarded on application), containing closing prices of the week.

MINES INSPECTED.

**KEBS: CITY BANK, London—SOUTH CORNWALL BANK, St. Austell.

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ECIAL DEALINGS in the following (or part):
75 Grogwinion.
109.
Akankoo, fully paid,
109.
Almada, 5s. 3d.
Bedford United, 29 6
Frataberg, 31s. 3d.
Dankim Hamoo, 28 3d.
Inn Camborne.
Callao Bis, 89. 9d.
Dille Gold, 3s. 9d.
Dille

* BUSINESS at OLOSE PRICES in all Market TIN, COPPER, LEAD LD, SILVER, and DIAMOND SHARES JAMES H. OROFTS, 1, FINOH LANE, LONDON

AILWAYS — SPECIAL BUSINESS, — Fortnightly Accounts opened on receipt of the usual cover.

JAMES H. CHOPPE, 1, PINCH LAME, LONDON.

OREIGN BONDS - SPECIAL RUSINESS. - Fortnightly nts opened on receipt of the usual cover.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

MRRICAN AND CANADIAN STOCKS AND SHARES—
SPECIAL BUSINESS.

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JAMES H. OROFTS, 1, PINCH LANE, LONDON.

OLD AND SILVER MINES .- SPECIAL BUSINESS in ALL OLD AND SILVERS MINNS.—SPROIAL BUSINESS IN ALL marketable INDIAN GOLD SHARES, and in Colombian Hydraulic, fornis, Callao "Bis," Gold Coast, Guinea Gold Coast, Kongaberg, New Ao, Oscar, West Callao, Tolima A, Tolima B, La Piata, Rio Tinto, Frond and Bolivia, Potosi, Ohile, Nouveau Monde, Ruby, Richmond, Victoria.

SHARES IN THE ABOVE SOLD FOR FORWARD DELIVERY ONE, O, OR THREE MONTRS ON DEPOSIT OF TWENTY PER CENT.

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ISCELLANEOUS SHARES of all DESCRIPTIONS BOUGHT or SOLD—SPECIAL BUSINESS:—Brighton Aquarium, General Credit,

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LARES SOLD for FORWARD DELIVERY, ONE, TWO, OF THREE MONTHS, ON DE
T of TWENTY PER CENT.

JAMES H. OROPTS, 1, FINCH LANE, LONDON. SCAR GOLD.—SPECIAL BUSINESS in either the FULLY

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JAMES H. CROFTS, 1, FINCH LANE, LONDON.

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ESTABLISHED AT THIS ADDRESS IN 1867.

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Akankoo, 11s. 6d.

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Birdesye Oreek, 17s. 8d.

50 Frontino, 15s. 6d.

51 Great Laxey.

40 Goginan, 2s. 8d.

52 Frongoch.

53 New Caradon.

54 New Caradon.

550 Kohinoor B., 2s. 9d.

56 Kohinoor B., 2s. 9d.

57 Kohine Gold, 4s.

60 Indian Gienreck, 3ed.

60 Indian Gienreck, 3ed.

60 Indian Gienreck, 3ed.

60 Kohinoor B., 2s. 9d.

7s. 9d.

60 Kohinoor B., 2s. 9d.

7s. 9d.

60 Indian Gienreck, 3ed.

60 Kohinoor B., 2s. 9d.

7s. 9d.

60 Kohinoor B., 2s. 9d.

60 Kohinoor

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SAFE INVESTMENTS effected to yield from 3 per cent. per annum and inpwards.
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50 Asia Minor, 5s.

50 East Wheal Rose, 9s.
100 Potosi, 10s.
80 Port Phillip, 1s. 6d.
9s.
100 Gongiann.
100 Potosi, 10s.
80 Port Phillip, 1s. 6d.
810 Gongiann.
810 P

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POLBERRO, ST. AGNES.

POLBERRO, ST. AGNES.

The shares of this mine are in favour, and will advance probably to a very high figure. The mine has been inspected by gentlemen who are well known, and whose opinions are universally respected. Mr. REYNOLDS will be happy to furnish the particulars of their report, and to give to his correspondents any flormation in his power. The books of the company and all other particulars are open for inspection at the company's offices. The management is the same as that of West Kitty, and the property promises to be of a very high order. Mr. REYNOLDS directs attention to the fact that those who have purchased the shares can already obtain a fair profit. Mr. REYNOLDS wither directs attention to the fact of his having been the first to introduce West Kitty, under very similar circumstances to those which now characterise Polberro, St. Agnes, and Mr. REYNOLDS with equal confidence recommends the latter company's shares. West Kitty, with at present 12s, per share paid, returns 30s. per share per annum as a minimum dividend with every prospect of further increase. When West Kitty shares had only 2s, per share paid they were at a premium of £2 each.

FERDINAND R. KIRK, STOCKBROKER, 5, BIROHIN LANE, LONDON, E.O.

5, BIRCHIN LANE, LORDON, E.O.;

90 Akanko, 11s, 6d.
40 Alamillos, £134.
40 Alamillos, £134.
40 Alamillos, £134.
40 Alamillos, £134.
40 Birdseye Oreek, £1,
40 Birdseye Oreek, £1,
40 Denver, 3s.
40 Denve

SPECIAL BUSINESS in 90 Akankoo, 11s. 6d.
40 Alamillos, £1½.
80 Almada, 5s.
50 Australian, £7½.
40 Birdseye Creek, £1.
70 Bratsberg, £1 1is.
100 Callac Bis, 9s.
50 Carn Camborne, 7s 6d.
140 Chile, 3s.
120 Chontales, 4s.

60 Kapanga, 3s.

Fortnightly accounts opened in Home Railways, Foreign Bonds, American and Canadian Railways, on receipt of the usual cover.

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lombia—Tolims, Western Andes, Colombian, and other gold and silver mines in that country.

In direct communication each mail with the highest mining authority in Colombia, through whose private advices I am able to give most valuable information as to mines in the Tolima district, and other mines in the country. See Circular, price 1s.

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20 Bratsberg, £1 1is. 3d.
20 Bratsberg, £2 1is. 3d.
21 Colorab Bis, 5s. 6d.
21 Stappen, 22 Colorab Bis, 5s. 6d.
22 Colorab Gold, 13s. 6d.
23 Colorab Gold, 13s. 6d.
24 Colorabian, 7s. 3d.
25 Colorab Gold, 13s. 6d.
26 Colombian, 7s. 3d.
26 Colorab Friendship, 2s.
27 Shouth Bamboo, 2s. 3d.
28 Colorab Friendship, 2s.
29 Shouth Bamboo, 2s. 3d.
20 Colorab Friendship, 2s.
20 Colorab Friendship, 2s.
21 Colorab Friendship, 2s.
22 Colorab Friendship, 2s.
23 Colorab Friendship, 2s.
24 Devon Friendship, 2s.
25 Colorab Friendship, 2s.
26 Colorab Friendship, 2s.
27 Shouth Bue Hills, 6f.
28 Wanted.
29 Corganos Gold, 12s.
20 Wanted Crebor, £1 6s.
20 Wanted Crebor, £1 6s.
20 Wanted Crebor, £1 6s.
21 Sprince of Waites, 4s. 6
25 Potosi, 10s. 3d.
26 Ruby, 12s. 6d.
26 Ruby, 12s. 6d.
27 Colorab (1s. 6s.)
28 Prince of Waites, 4s. 6
29 Prince of Waites, 4s. 6
29 Prince of Waites, 4s. 6
20 Colorabo, £1 6s.
20 Colorab Friendship, 2s.
21 Colorab Friendship, 2s.
22 Ocar Gold, 18s.
23 Prince of Waites, 4s. 6
25 Potosi, 10s. 3d.
26 Ruby, 2s. 6d.
26 Ruby, 2s. 6d.
26 Ruby, 2s. 6d.
27 Colorab (1s. 6s.)
28 Ruby, 2s. 6d.
29 Ruby, 2s. 6d.
20 Colorab (1s. 6s.)
29 Ruby, 2s. 6d.
20 Colorab (1s. 6s.)
21 Ruby, 2s. 6d.
22 Colorab (1s. 6s.)
23 Ruby, 2s. 6d.
24 15s.
25 Potosi, 10s. 3d.
26 Ruby, 2s. 6d.
26 Colorab (1s. 6s.)
26 Ruby, 2s. 6d.
27 Colorab (1s. 6s.)
28 Prince of Waites, 4s. 6
29 Potosi, 10s. 3d.
29 Prince of Waites, 4s. 6
20 Potosi, 1s.
20 Colorab (1s. 6s.)
20 Colorab (1s. 6s.)
21 Colorab (1s. 6s.)
22 Colorab (1s. 6s.)
23 Colorab (1s. 6s.)
24 15s.
25 Colorab (1s. 6s.)
26 Ruby, 2s. 6d.
27 Colorab (1s. 6s.)
28 Prince of Waites, 4s. 6
29 Prince of Waites, 4

BANKERS: ALLIANCE BANK (Limited).

H O R A C E J. T A Y L O R .

(Seven Years Assistant-Secretary to the Port Phillip and Colomial
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38. GREAT ST. HELEN'S, LONDON, E.O.,
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CARN CAMBORNE TIN AND COPPER MINE

In order to save correspondence and shareholders from loss, we feel it to be our duty to publicly state that there is NO FOUNDATION WHATEVER for the damaging statements that have been made by certain Dealers and Brokers respecting the above Mine. The object of such statements is to induce holders to sell at ruinous prices, and thus enable the parties in question to supply shares they have sold at much higher prices, BUT OANNOT DELIVER.

Our confidence in the Mine is unabated; its position and surroundings are a guarantee of success, on further development; and if shareholders wish to sacrifice their shares for a few shillings, we will gladly bey them. But our advice is -BUY all the shares that can be obtained at prices quoted in the Lists which interested Brokers circulate; BUT BE CAREFUL NOT TO PAY FOR THEM UNTIL THE CERTIFICATE IS DELIVERED.

By adopting this course shareholders will frustrate the tactics of those whose only object is to depreciate the value of their property from the most sordid of motives, whilst they do not hesitate to adopt the most unscrupulous methods to accomplish their object.

ENDEAN AND CO., STOCK AND SHARE DEALERS.

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The value of investments in smelting works is evidenced by the following:—

"THE CAPE COPPER COMPANY HAVE DECLARED A DIVIDEND AND BONUS AMOUNTING TOGETHER TO 30s. PER SHARE FOR THE QUARTER, BEING AT THE RAM

OF 75 PER CENT. PER ANNUM."—

From the Mining Journal, June 14, 1884.

FR CENT. PER ANNUM."—

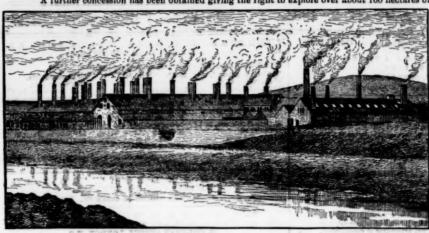
Cape Copper Company, during the first year of its smelting operations near Neath (their furnaces being within a mile of the works of this company), and upon the smelting of only half the ned a profit equal to the total sum paid for the purchase of their works (see directors' report, June 27, 1881), and since they have smelted their own ores the shares have increased in value from 2-44 ex div. per share, the price on 5th July, 1884.

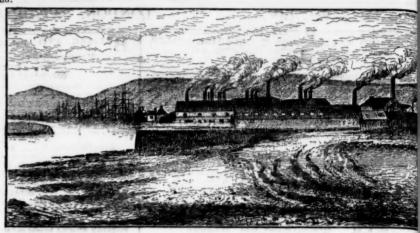
The Heath Harbour Smelting and Rolling Works, Limited

(Incorporated under the Companies Acts, 1862 to 1883, by which the liability of Shareholders is limited to the amount of their Shares.)

Formed to purchase and work the celebrated Crown Copper Smelting and Spelter Works, and the concession of the famous Gorno Calamine Mines, consisting of 398 hectares (about 800 English acres), situated in the province of Bergamo, Kingdom of Italy, and estimated to contain (without calculating new seams) 420,000 tons.

A further concession has been obtained giving the right to explore over about 100 hectares of land.





£150,000, IN 30,000 SHARES OF £5 EACH. CAPITAL

ISSUE OF £100,000, IN 20,000 PREFERENCE SHARES OF £5 EACH,

BEARING INTEREST AT THE RATE OF 12 PER CENT. PER ANNUM.

Payments—2s. 6d. on Application; £1 2s. 6d. on Allotment; £1 5s. one month after Allotment; the balance as required.

Until the Preference Shares are called up in full the Deferred Shares, even when there are profits to justify it, shall only receive dividends on a sum equal to the amount called up for the time

being upon the Preference Shares.

When dividends have been paid for five consecutive years on the Preference Shares at the rate of 12 per cent. per annum, and when the dividends upon the Deferred Shares have also been paid as above for a like amount and period, the distinction between the two classes of Shares as "Preference" and "Deferred" shall cease, and the dividends shall be thenceforth struck on both at the same

Sir JOSEPH N. McKENNA, M.P., 67, Lancaster Gate, W.—Chairman.

Sir Walter Blount, Bart., Dep.-Lieut. for Worcestershire, Brooke's Club, London.

C. G. Colleton Brnnie, Esq., 2, Morpeth Terrace, Victoria Street, S.W., and Carlton Club.

Major C. J. Burgers, Bexley, Kent, late Chief Executive Officer of the National Red Cross Society.

SEPTIMUS F. PORTER, Esq., St. Margaret's, Twickenham, Director of the St. Michael's Gas Company (Limited).

JOHN BENNETT, Esq., Waddon, Surrey, Director of the Minas Central Railway of Brazil (Limited).

The vendors will join the board after allotment.

Bankers in London—Messrs. MARTIN and CO., 68, Lombard Street, E.C.
Bankers in Wales—The NATIONAL BANK OF WALES, Cardiff and Branches.

BEOKER—JAMES URIE, Esq., 7, Tokenhouse Yard, London, E.C., and Stock Exchange.

SOLICITORS—Messrs. SUTTON and OMMANNEY, 3 and 4, Great Winchester Street, London.

AUDITORS—Messrs. CHATTERIS, NICHOLS, and ATKINS, Chartered Accountants, 1, Queen Victoria Street, London.

SECRETARY (pro tem.)—Mr. HENRY BAX.

OFFICES—CROWN COURT, OLD BROAD STREET (First Floor).

STREET (First Floor).

The works to be acquired by this company are admirably placed for easy and cheap transport, having a harbour frontage of 1038 ft. in the centre of the quay of Neath Harbour (the recent enlargements of which, now fast approaching completion, have been made at a large expenditure, and will give a floating dock area of 64 acres); at this quay vessels of large tonnage can discharge ore direct into the works, thus avoiding the great expense incident to trans-shipment and lighterage incurred by nearly all the other smelting-works in the kingdom.

in the kingdom. In addition to the valuable dock frontage the works are intersected by the Great Western Railway and by the Tennants Canal, both of which communicate with the New East Dock, Swansea. Neath Harbour possesses also complete connections with the Great Western Railway, the Neath and Brecon Railway, and the South Wales

Harbour possesses also complete connections with the creat western Railway, the Neath and Brecon Railway, and the South Wales Mineral Railway.

The coal used in the smelting operations is obtained from a colliery immediately adjoining, and is delivered direct into the works over self-acting inclines, thus effecting a great saving in carriage.

The extensive Crown Copper Smelting Works, and the Spelter and Zinc Works, situated at Neath Abbey, near Swansea, consist of 28 calcining, 18 reverberatory, 2 refining, and 24 spelter furnaces, together with the pottery works, drying-floors, a manager's residence, and workmen's house, &c. and workmen's houses, &c.

and workmen's houses, &c.

Messrs. Horne, Eversfield, and Co., having surveyed the works, estimated that not far short of £100,000 had been expended on them, and thought that 20 per cent. was a fair deduction, thus leaving their estimated value in 1881 at about £80,000, Since this valuation was made the Neath Harbour Commissioners have so enlarged the docks as to enormously increase the value of these works, so that the above figures denote a very moderate estimate, being £30,000 less than Mr. F. Bennett, C.E., estimates the present value of the present.

of the property.

The works, and about 33 acres of land, are held under a lease of

The works, and about 33 acres of land, are held under a lease of which 43 years are unexpired, at a ground rental of £495 per annum. There is ample space for extension of the works beyond those improvements now in contemplation.

The works are, as will be seen by Mr. Bennett's report, at present capable of turning out 10,000 to 20,000 tons per annum, according to the percentage of ores treated.

The directors propose to erect a complete set of rolling-mills, with all the necessary appliances of the best description, which, when erected, will enable this company to earn greatly enhanced profits. Speiter, or unwrought sinc, is largely used in the form of sheet-zinc and for galvanising iron, also for the purpose of manufacturing yellow metal, brass, &c. The large consumption of speiter is evidenced by the following paragraph taken from the prospectus of the English Crown Speiter Company (Limited), 1883:—

"It is beyond the capacity of all the speiter works in England and Wales to supply the quantity consumed."

Arrangements have been made by which this company will secure the Gorno Calamine Mines in Italy, situate within reach of the port of Genoa, whence the ore can be shipped direct to, and unloaded at, the company's works at Neath Harbour, at a cost of £2 16s. 7d. per ton. This amount is the actual result of a year's working of adjoining mines owned by the English Crown Speiter Company (Limited). These valuable mines are reported to contain a number of seams of ore of great value and richness, and by analysis give a medium of 45 per cent. of zinc; 10 tons sent away as a sample to the French Zinc Company roducing after calcination 60 per cent. of zinc; 10 tons sent away as a sample to the French

of 45 per cent. of zinc; 10 tons sent away as a sample to the French Zinc Company producing after calcination 60 per cent. of zinc. The ores are divided into carbonates, silicates, and hydrates, easily treated.

(See report.)

The value and great commercial importance to the company of possessing these mines, and being thus in a position to command a constant supply of ores, cannot be over estimated, and it will be seen by the reports of Mons. De la Souchère, and of Mr. John Lean (specially sent to Italy to report on the mines) that no pains have been spared to obtain the fullest and closest information of their value. (See report.)
The value

where the state of the state of

PROSPECTUS. 2nd. By producing copper and spelter ingots direct from the ores. 3rd. By converting the ingots into malleable copper and sine by

copper and zinc smelting works are, it will be seen, capable of a very large output, but the directors prefer to base their calculations upon a minimum trade; hence they have taken as their basis a working of 60 tons of copper and 100 tons of spelter or zinc per week, which it is estimated will yield the following results:—

1st. by working the calamine mines.

Taking the estimated output of the calamine mines, upon the completion of works, as per report, at 40 tons per day only, or 12,000 tons per annum, the result should be as follows:—12,000 × £3 7s. 0d. (present price of calcined ore at Swansea).......

Deduct cost of extraction of ore, calcination, and transport by land and see to the works at £2 16s. 24 per

port by land and sea to the works, at £2 16s. 7d. per ton for 50 per cent. ores 33,950 Net profit on the calamine mines

2nd. By producing copper and spelter ingots direct from the ores. Produce of 60 tons of copper per week, at £59 (now selling 28th June, 1884, at from £59 to £60 10s.) per ton=60 tons \times £59 £184,080 78,000

£262,080 168,480

67,600

£236,090

of spelter ...

Net profit on the smelting works £26,000 which gives an average profit of about £3 per ton on smelting; to this must be added the following important and material increase when the rolling mills are erected and in work.

3rd. By converting the ingots into malleable copper and zinc by ralling.

£10,920 7,800

Net profit on rolling mills £18,720 SUMMARY OF ESTIMATED PROFITS.

3. From the rolling mills 18,729 Gross profit Deduct interest on preference shares at 12 per cent, £12,000 Deduct expenses of management, salaries, &c. (say) Deduct ground rental (less rent of cottages) (say), £100 3,500 - £15,895

Annual net profit after payment of 12 per cent. upon the preference shares.....

£35,075

or after the payment of the preferential dividend of 12 per cest, showing a surplus of £35,075, sufficient to pay the dividend of 12 per cent, upon the deferred shares, a further dividend of 12 per cent. upon the preference and deferred shares of the company, and least a large surplus (some £11,000 a year) available for dividend, reserve fund, sinking fund, or otherwise for the benefit of the share

Special attention is directed to the following facts:-

1.—That the total which the company will have to pay for both the copper and spelter works, and the interest in the calamine miss is £35,000 in cash (of which £15,000 may be left on mortgage # 6 per cent.), and 10,000 fully-paid up deferred shares of £5 each which the vendors have agreed to take in proof of their confidence in the estimate of residue. which the vendors have in the estimate of profits.

2.—That Messrs. Horne and Eversfield, in their report on the copper and spelter works alone, estimated that "not far short of £100,000 must have been expended upon the works," and that Mr. F. Bennett, C.E., places a present value on the property of "£110,000, exclusive of 20 acres of land suitable for building purposes."

The following agreements have been entered into:—(1) dated the 25th day of June, 1884, between Alexandro Milesi and James Humby; (2) dated the 19th day of July, 1884, between James Humby and J. Pocock Hall; (3) dated the 22nd day of July, 1884, between J. Pocock Hall and Henry Bax, on behalf of the company; (4) dated the 22nd of July, 1884, between James Humby and Henry Bax, on behalf of the company. The vendor of the Crown Copper Works has agreed to defray all the preliminary expenses of the company (except brokerage) up to and inclusive of the allotment of shares.

The above agreements, the reports, and the concession, copies of the lease, of the Memorandum and Articles of Association, can be inspected at the offices of the solicitors of the company during the advertisement of this prospectus, between the hours of 11 and 3.

In the event of no allotment the deposit will be returned without deduction. If a smaller number of shares be fallotted than applied for the surplus deposits will be credited towards the amount payable on allotment.

Application will be made in due time to the Committee of the took Exchange for a settlement and quotation.

28th July, 1884.

THE NEATH HARBOUR SMELTING AND ROLLING WORKS (LIMITED).

(COPPER, SPELTER, and ZINC.) FORM OF APPLICATION FOR SHARES.

To the Directors of the Neath Harbour Smelting and Rolling Works (Limited).

GENTLEMEN,—Having paid to your bankers pounds shillings, being a deposit of 2s. 6d. per share for of the above shares of £5 each, I request that you will appropriate and allot to me that number, and I hereby agree to accept the same or any smaller amount that may be appropriated and allotted to me, and to pay the amount according to the terms of your prospectus dated the 28th July, 1884.

Name in full Address Description1884. Signature

The Form of Application can be copied and forwarded entire, with cheque or cash of 2s, 6d. per share, either to Messrs. MARTIN and Co. Bankers, 68, Lombard-street, London; to the National Bank of Wales, Cardiff, and its branches; or to the Secretary, Crown-court, 0ld Broad-street, London.

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Registration of New Companies.

The following joint-stock companies have been duly registered:-The following joint-stock companies have been duly registered:—
THE SUN PORTLAND CEMENT COMPANY (Limited).— Capital 0,000*l.*, in shares of 1*l.* Manufacturers and dealers in Portland ment, and other kinds of cements and like compositions, in conction with certain patents. The subscribers (who take one share ch) are—W. Boundy, 101. Leadenhall-street; B. Henderson, 57, racechurch-street; H. Paulson, 23, Leadenhall-street; J. F. orrow, 23, Leadenhall-street; J. C. Farquharson, 12, Amptonet; J. H. Cowper, 101, Leadenhall-street; F. J. Philpot, arasbury.

racechurch-street; H. Paulson, 23, Leadenhall-street; J. F. Jorrow, 23, Leadenhall-street; J. C. Farquharson, 12, Ampton-reet; J. H. Cowper, 101, Leadenhall-street; F. J. Philpot, arnsbury.

THE ALBERT MILL SPINNING COMPANY (Limited).—Capital 5,000/., in shares of 5l. To acquire a mill at Farnworth, Lancalire, and to carry on the business of cotton spinners and manucturers, &c. The subscribers (who take one share each) are—J. erry, Bolton; J. Southworth, Clitheroe; T. Mangnall, Bolton; W. Gregson, Manchester; B. Topp, Bolton; E. Bradbury, Bolton; W. Dawson, Harlesden.

THE CAMBRIAN MINING COMPANY (Limited).—Capital 100,000/., a shares of 2l. To acquire certain mines situated in the county of ardigan, together with machinery, plant, tools, and other effects hereto appertaining, for the purpose of working and developing aid property, and to crush, smelt, or otherwise render marketable he ore or other produce. The subscribers (who take one share each) re—E. Mansell, Tottenham, sharedealer; W. Wrenn, Chadwell feath, stockbroker; C. Hyde, 1, Cuthill-road, publisher; S. H. inso, 5, Great Winchester-street, stock and share dealer; J. Campell, East Dulwich, gentleman; H. Chapman, West Enfield, stock and share dealer; C. Gregory, 31, Bishopsgate-street Within, solicitor, he subscribers have power to appoint the directors, whose number aust not be less than three, or more than seven.

DAVIS AND TIMMINS (Limited).—Capital 10,000/., in shares of 10/. the general business of engineers, metal stampers, and merchants, c. The subscribers are—W. Timmins, 10, Soho-square, 200; J. T. immins, 10, Soho-square, 200; J. T. immins, 10, Soho-square, 200; G. J. thost, 33, Northampton-road, 5; G. W. Ind, Barnsbury, 3; H. W. now, 63, Seven Sisters-road, 5; E. W. Cherry, Wardrobe Chamers, 5.

now, 63, Seven Sisters-road, 5; E. W. Cherry, Wardrobe Chamers, 5.

The Ousby Mining Company (Limited).—Capital 10,000l. in hares of 10l. To acquire all the estate, term, and interest of the Linal and Ousby Iron Ore Company (Limited) in Cumberland, with the arious powers relating thereto. To work and fully develope such roperty, and to carry on generally the businesses of miners, metal attractors, smelters, chemical manufacturers, and brokers and dealers in minerals, ores, metals, chemicals, and any combinations, &c. The subscribers (who take one share each) are—J. Russell, Newcastle-upon-Tyne, surgeon; A. Wood, Newcastle-upon-Tyne, wine merchant; T. W. Crawhall, Newcastle-upon-Tyne, merchant; D. Jackson, Hexham, surgeon; D. Stewart, Hexham, surgeon; J. Thompson, Newcastle-upon-Tyne, engineer; T. Thompson, Dunston, rentleman.

ELLIOTT'S MINING PICK COMPANY (Limited) .- Capital 50001. In shares of 51. To acquire, use, vend, or deal in a patent relating to improved picks for mining and other purposes. The subscribers (who take one share each) are—A. Wimpory, Altrincham; J. Spurge, Altrincham; W. Fincken, Barnsley; W. B. Lee, Manchester; J. Higson, Manchester; L. H. Birch, Manchester; J. Paterson, Old Frafford.

THE SOUTH AMERICAN SMELTING COMPANY (Limited) .- Capital THE SOUTH AMERICAN SMELTING COMPANY (Limited).—Capital 200,0001., in shares of 51. To acquire ores, pyrites, minerals, and mineral products, obtained from any gold or other mines, and to carry on the business of smelters, reducers, crushers, &c. The subscribers (who take one share each) are—G. B. Holroyd, Weybridge; T. Young, 38, Porchester-terrace; W. G. Gibbon, 5 and 6, Great Winchester-street; A. K. Huntington, Hampstead; A. H. Koch, 107, Philbeach Gardens; A. K. Phillips, 4, Weymouth-street; E. C. Koch, 188. Threadpeedle-street.

Winchester-street; A. K. Huntington, Hampstead; A. H. Koch, 107, Philibeach Gardens; A. K. Phillips, 4, Weymouth-street; E. C. Koch, 108, Threadneedle-street.

White and Company (Limited).—Capital 8000L, in shares of 101. To purchase and continue an upholstering, cabinet-making, and general furnishing business, established at Shrewabury. The subscribers are—J. P. White, Shrewsbury, 230; W. Blackmore, Shrewsbury, 70; T. H. Wignett, Shrewsbury, 230; W. Blackmore, Shrewsbury, 10; E. Bunny, Shrewsbury, 1; W. Field, Shrewsbury, 10; W. H. Spaull, Shrewsbury, 10.

The Patent Antheacite Fuel, Coke, And Coal Company (Limited).—Capital 150,000L, in shares of 100l. To manufacture and deal in patent and other fuel, coke, &c., in England, Ireland, or Scotland. The subscribers (who take one share each) are—J. C. E. Weigall, 32, Fenchurch-street; J. P. Perry, Paris; J. de A. Portugal, Paris; J. Oise, Nice; C. D. Hamilton, Guernsey; J. W. Holland, Old Ford; R. Howlett, 493, Commercial-road; R.J. Bainbridge, Guernsey, This Birtish Guina Gold Ford; R. Howlett, 493, Commercial-road; R.J. Bainbridge, Guernsey, This Birtish Guina Gold Ford; R. Howlett, 493, Commercial-road; R.J. Bainbridge, Guernsey, This Birtish Guina Gold Ford; R. Howlett, 493, Commercial-road; R.J. Bainbridge, Guernsey, This Birtish, Isaid colony or elsewhere, and to search for, dig, sink, raise, win, get, and make merchantable and sell gold and other ores, metals, substances, and precious stones. To plant and cultivate any property, cutting down timber, selling same, &c. The subscribers (who take one share each) are—W. Rowsell, 77, Gracechurch-street, sharedealer; J. Day, Uxbridge-road, merchant; G. Pottinger, St. John's, surveyor; H. Williams, Brixton, clerk; J. H. Bland, 75, Blackfriar's-road, electrical engineer; C. Hooke, Dulwich, agent; A. A. D. Il'Estrange, 16, Albemarle-street, colonel. No Articles of Association have been registered.

The Meersbrook Park Estate (Limited).—Capital 50,000L, in shares of 10L. To acquire a property for building and other pu

Tripoli, Egypt, Turkey in Asia, Persia, the system finishing at Kurrachee, in British India. The subscribers (who take one share each) are—G. Davis, 80, Coleman-street; S. Cocker, 46, Southampton Bulldings; H. J. Newell, 43, Camberwell New-road; H. B. Worrell, 80, Coleman-street; E. T. Collis, 70, Cloudesley-road; R. A. Henderson, 91, Edgware-road; R. S. Tomlin, 3, Poets' Corner.

THE INDIAN MINERALS: THEIR NAMES AND THE PROPERTIES ATTRIBUTED TO THEM.—Our information concerning the opinions which the Hindus held about minerals and their properties has, says which the Hindus held about minerals and their properties has, says the Athensoum, hitherto been so scanty that we thankfully welcome the valuable contribution to our knowledge of the subject which Dr. Garbe has presented to us in the book under notice—"Die Indischen Mineralien: thre Namen und die ihnen Zugeschriebenen Kräfte. Naraharl's Rājanighantu, Varga XIII., Sanskrit und Deutsch." Herausgegeben von Dr. R. GARRE. Leipsig: Hirzel. It is characteristic of the ideas of the Hindus about minerals that they should have treated them under the head of medicine. In fact, the Sanskrit text, edited, translated, and explained by Prof. Garbe forms part of a medicial diotionary, the "Rājanighantu," by the Kashmirian physician Naraharl, who, as Prof. Garbe shows, lived about six and a half conturies ago. Though we must not therefore expect that the notices by Sanskrit writers about minerals should be conceived in a selentific spirit, still they are interesting from an historical point of view, and The valuable contribution to our knowledge of the subject which Dr. Garbe has presented to us in the book under notice—" Die Indischen Mineralien: three Namen und die ihnen Zugeschriebener Kräfte. Narahari's Rājanighandu, Varga XIII., Sanskrit und Deutsch." Mr. J. J. Couzens said had great pleasure in moving the gentlemen named to ristic of the ideas of the Hindus about minerals that they should have treated them under the head of medicine. In fact, the Sanskrit text, edited, translated, and explained by Prof. Garbe forms part of a medical dictionary, the "Rājanighandu," by the Kashmirian physician Narahari, who, as Prof. Garbe shows, lived about six and a half conturies ago. Though we must not therefore expect that the notices by Sanskrit writers about minerals should be conceived in a solentific spirit, still they are interesting from an historical point of view, and we cannot but agree with the editor when he says in the preface—"Whoever takes an interest in the history of the sciences with which this subject is concerned, and is not accustomed to sucer at what former times and distant countries have pondered and taught on these things, will admit that the publication of this treatise was desirable not merely on philological grounds." For we learn from it begides to what uses minerals were turned in India, what properties

and powers were held to be inherent in them, what effects and influences upon the human body were attributed to them, Critical and explanatory notes and full indices greatly enhance the value of this unpretending volume.

Meetings of Bublic Companies.

TREVAUNANCE UNITED MINES.

The four-monthly meeting of shareholders was held at Paull's Hotel, St. Agnes, Cornwall, on Tuesday,

Mr. JOHN B. REYNOLDS in the chair. Mr. W. JOHN REYNOLDS (the secretary) read the notice calling the

The four-monthly meeting of shareholders was held at Paull's Hotel, St. Agnes, Cornwall, on Tuesday,

Mr. W. JOHN EKYNOLDS (the secretary) read the notice calling the meeting.

The subjoined report of Capt, Vivian was read.

The statement of accounts, showing a balance at the bankers of 4466, 9s. 3d., with no liabilities due and unpaid, was read.

July 24.—Since the meeting led on March 26 has we have continued driving the load, worth from 154, to 26, per fathout for the whole length driven. We have cleaned an old shaft, which I find to be 36 ms. deep, and we have commenced to sink the same by nine men, at 12, per fathous. I intend this for an incite towards the shaft. I consider the shaft will take the lode about 50 ms. below the sdil level. I purpose, in the course of sinking, to intersect the lode show to final, below the sdil level. I purpose, in the course of sinking, to intersect the lode show to final, below the sdil level. I purpose, in the course of sinking, to intersect the lode show to final, which we have been supposed to the same than the course of sinking, to intersect the lode show to final, the shown of the shown of the shaft of

or the engine.

Capt VIVIAN: I have no objection to the money being raised, if you like, not if you think it advisable. There are engines to be bought worth the money. know three engines now for sale. It is entirely a matter for the shareholders o decide whether to make the call or not.

Mr. F. W. MICHELL said that if a call were not made to-day at the next meeting they would have to provide for the purchase of machinery as well as for

Mr. F. W. MICHELL said that it a can well as your last y

per share; if not, at the next meeting ,... hare, .F. W. Michell: It will take 2000/. to provide an engine and put it up properly.

Mr. S. PAYNE, of Exmouth, said he had spoken to some of the large shareholders, who agreed that a call should be made to-day to put up an engine. After hearing the discussion he should support a call of 2s, per share.

The resolution for the adoption of the accounts and the agent's report was then put and carried unanimously.

On the motion of Mr. S. PAYNE, seconded by Mr. Gait, a call of 2s, per share was then made.

The CHAISMAN said the next business was the election of the audit and financ committee. The present members were Mr. Robinson, Mr. Early, and himse (Mr. Baynolds), and the officers of the mine, and he should like the followin gentlemen added:—Mr. G. Budd, Mr. Lennox, Mr. F. W. Michell, and Mr. Payno

into a good mine—West Kitty. He trusted West Kitty might be a dividend mine for many years. Those who knew St. Agnes for 50 years, as he had done, could testify to the advantages arising from such a good mine; the benefit accruing therefrom could hardly be over estimated. He heartily congratulated the committee on the correct and clear way in which the accounts were laid belefore the sharcholders. He said that if sharcholders lost their money honestly, and with the knowledge that it had been indiciously and properly expended, as in connection with the mines in this office, they would have no cause for complaint, but he strongly condemned the system which had been pursued in some quarters of bringing money into the county on what hemight call false pretences. If they had a better price for tin mines which were now partly closed would be able to pay their way and make good profits, as was now being done in West Kitty.

On the motion of Mr. Lennox, seconded by Mr. Bawden, a vote of thanks was passed to the Chairman, and the meeting closed.

NEW KITTY MINE.

The four-monthly meeting of shareholders was held at Paull's Hotel, St. Agnes, Cornwall, on Tuesday,

Mr. JOHN B. REYNOLDS in the chair.

Mr. W. Join REYNOLDS in the chair.

Mr. W. Join REYNOLDS (the secretary) read the notice calling the meeting. The agent's report which was read was as follows:—

July 28.—Repine-shaft; since the meeting held on Mach 28 was have driven tele.

We have resumed driving west on ing about 3 fms. not finding any more teles. We have resumed driving west on ing about 3 fms. not finding any more teles. We have resumed driving west on ing about 5 fms. below the 20; its and the control of the lite entire length, as has been practically proved. Wheal Kitty has proved New Kitty estward for many fathoms in depth, and West Kitty is now rapidly proving it to the north-west. New Kitty stands in just the same relation to Wheal Kitty as West Kitty did and does. I know it to be a fact that several of the upper levels at Wheal Kitty, from the 24-down to between the 50 and 60 fm, levels, have proved to be very rich, and they are driven home to New Kitty boundary, and there is the tin standing exposed to the view of those who enter those levels, just as is the case in the lower levels in Wheal Kitty, which are also driven home to West Kitty boundary. So what can we expect in New Kitty but success sooner or later? A large tract of ground in the south-eastern part of our set is already proved for us by Wheal Kitty, and there is a spientid lode in West Kitty in some of the levels that are near New Kitty, and in one of the riess that is coming straight into New Kitty. I will not tell you its value; Oapt, Vivian can, if he likes. I will only say it is good enough, and in New Kitty its on be worked more early and cheaply than it can in West Kitty, its being nearer the surface, and the water charges so little. No purchase money has to be paid out of first profits, as was the case at West Kitty, *5000. No man can have gone into this subject more deeply and thoroughly than I have. I have printed, and written, and spokes statements of and from the best mining experts and practical miners who have known the district for years, and worked in these three mines in particular, and I feel as confident as any man oan than New Kitty will turn out to be a rich mine, and will prove a prize to those who can and will stoke to it. You may depend upon it there is any quantity of tin ready to be taken away to the south-east of Phomas's shaft. What we want is to get at it. This we are trying to do at Thomas's shaft, where we have a most promising lode; only depth is required, and we have a meaning lower to the south-east of Phomas's sha

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once are hoping and intending to come into New Kitty at the rightime, when the present shareholders have add the calls, and done all the time, when the present shareholders have add the calls, and then all time, when the present shareholders have all the calls, and then all time. There was ago. They probably hope some may be wearied out, and be induced to part with their shares. I should be sorry for you of for me to help them. Those who sick to the mine and pay their calls and benefit the neighburhond deserve success, and I hope will ison get it, and not those who only can be successed to the control of the contr

WEST KITTY MINE.

The four-monthly meeting of shareholders was held at Pauli's Hotel, St. Agnes, Cornwall, on Tuesday,
Mr. John B. Reynolds in the chair.

Mr. MICHELL read the notice calling the meeting. The report of agent was as follows :-

the agent was as follows:—

July 29.—In the 24, driving east of cross-cut, the lode is worth 101, per fathom. In the 30, driving east, we have intersected the cross-course; I am pleased to state the lode is very much better east of the cross-course than I have seen it before at this level, and is now worth 201, per fathom. In the 27, driving east, the lode is worth 151, per fathom. In the cross-cut, driving south from the 72 west, we are meeting with branches of spar, which are letting out water freely. I hope to intersect the lode soon at this point. In the 60, driving east of rise, the lode is worth 151, per fathom. In the ine in back of the 60 the lode is worth 141, per fathom. In the 60, driving west of cross-cut, the lode is worth 151, per fathom. In the 60, driving east of worth 152, per fathom. In the 50, driving east of No. 1 rise, the lode is worth 120, per fathom. In the 50, driving east of No. 1 rise, the lode is worth 121, per fathom. In the 50, driving east of No. 2 rise, the lode is worth 124, per fathom. In the stopes in the bottom of the 72 east he lode is worth 254, per fathom. In the stopes in the back of the 72, east of main rise, the lode is worth 501, per fathom. In the stopes in the back of the 72, east of main rise, the lode is worth 501, per fathom. In the stopes in the back of the 72, east of main rise, the lode is worth 501, per fathom. In the stopes in the back of the 72, east of main rise, the lode is worth 501, per fathom. In consider the prospects of the mine are everything that can be desired, seelag the large profits we are making with the present low price of tin.—WM. YIVIAM.

The statement of accounts (copies of which were distributed at the

making with the present low price of tin.—Wx. VIVIAN.

The statement of accounts (copies of which were distributed at the meeting) was read, showing a balance of cash at the bankers of 37911. 14s., with no liabilities due and unpaid.

The CHAIRMAN said: Gentlemen, I have pleasure in moving that the statement of accounts and the agent's report be received and adopted, and I am sure you will concur with this resolution. We have never in the office had any dissentient in connection with our mines as far as the accounts are concerned, and as I do not make out these accounts myself I have no hesitation in saying that they are made out as well and accurately as they with our mines as far as the accounts are concerned, and as I do not make out these accounts myself I have no hesitation in saying that they are made out as well and accurately as they can possibly be. Gentlemes, you will see that there is in the hands of the bankers the sum of 3791/. 14s., with which you will have to deal to-day, and you will also notice that there are no liabilities due and unpaid. We know that we owe no man anything, and we have a very large surplus to a dividen-a-surplus which the committee think will admit of the payment of a dividend of 12s. per share. And, gentlemen, this dividend has been fairly earned. There are those in this room, I dare say, although I do not know them, who have inspected this mine from time to time, and who can say that it is being worked very fairly indeed. I assure some of you that we could take away very properly a larger quantity of tin, but I am sure you will have the good taste not to press us to deviate from our present line of action as far as taking away the tin is concerned. We are on the eve, you may depend upon it, of better times; we shall have a better price for tin before we are very much older I have every reason to believe. From careful enquiries respecting the prospects of the trade from gentlemen who are high authorities, they assure me that they think we have some the lowest in business circles. Now when trade reviews by leaps and bounds, as we hope it will soon do, then, gentlemen, you will be very pleased that you have so much tin ground which you will be able to take away at greater advantage than you can take it away at present. These are handsome sividends, gentlemen, which we are declaring, and if you meet with persons who say this, and that, and the other thing in connection with West Kitty all I can say to you, gentlemen, had he are also to declare to-day the largest dividend we have ever declared in connection, with this company, and I hope the result of to-day's proceedings will be an encouragement to those who are in a poor mine to per

which had been carefully prepared and carefully audited, showed that there was no debit balance to frighten the shareholders, and there were no bills kept back which were unpaid. With regard to things financial, he had the fullest confidence in Mr. Reynolds and those associated with him in committee. Every thing had been done in the way of economy which ought to be done, and everything was managed in the plainest and most business-like manner, so that everyone evuld see the position of the mine. The manager's report was most cheering. Undoubtedly the low price of the was against the mine, but the manager had made excellent profits in spite of that low price, and had worked the mine to such advantage that it would compare favourably with any mine in the county. The captain did not "rush" the mine for a time and then fall back upon a half dividend. There was plenty of ore in reserve for years to come.

A BHAREHOLDER: You say the stopes in work are worth 604, per fathom; how many stopes are there !——Capt. Yivian: Four stopes at work.

Capt. TERVERHAW asid he had had the mines inspected several times, and had gone himself over the dressing-floors and other surfaces works repeatedly, and was well satisfied. He had bought shares, and intended to hold pretty largely. The motion for the adoption of the report and accounts was then put to the vote, and carried unanimously.

Mr. J. J. Couzens said he had the pleasing duty of proposing a dividend of 12s, per share. That dividend had been fairly earned during the past 16 weeks. Capt. Vivian was the last man in Cornwall to give a dividend which was not fairly earned; and the shareholders might take the dividend which was not fairly earned; and the shareholders might take the dividend which was not fairly earned; and the shareholders might take the dividend which was not fairly earned; and the shareholders might take the dividend which was not fairly earned; and the shareholders might take the dividend which was not fairly earned; and the reserves increase. An important poin

olders might congratulate themselves on having such a good mine

DRAKEWALLS UNITED TIN AND COPPER MINING

The ordinary general meeting of shareholders was held at the offices of the company, Austin Friars, on Thursday,

The ordinary general meeting of shareholders was held at the offices of the company, Austin Friars, on Thursday,

Mr. J. W. PAINE in the chair.

The SECRETARY read the notice convening the meeting.

The CHAIRMAN said: Gentlemen, since we last met we have had a saad loss in the sudden removal of our Chairman, which sudden loss I am sure you will all regret as much as I do. It was a shock to me, for only a few days before he congratulated me upon recovering from an attack of bronchitis, and I much deplore his loss so, soon afterwards. We had had some difference of opinion before I joined the board, but I always received at his hads when once here every consideration and courtesy, and I am sure you gentlemen, one and all, will of course caused a vacancy at this board, and In the battle of life when one falls another must take his piace. I have been induced to step forward. The position, as you are sware, is not one of a bed of rose entirely, and your directors have promised to me their heavy support in the matter. What has welghed it is a support all the state of the table now, I have before been with you, and am the shareholder's representative, and your interests are entirely and your directors the law of the state of the table now, I have before been with you, and am the shareholder's representative, and your interests are entirely mine. It is the shareholder's representative, and your interests are entirely mine. It is the shareholder's interests which have brought me here, and I have in no way changed in any respect whatever. The shareholder's interest which have brought me here, and I have in no way changed in any respect whatever. The shareholder's interest which have brought me here, and I have in no way changed in any respect whatever. The shareholder's interest which have brought in the way in the shareholder interests which have brought in the way in the shareholder interests which have brought in the shareholder interests which have brought in the shareholder interests which have brought in the shareho which will not be realised. I would rather tell you the plain, naked truth, and surprise you with pleasant results than give you any expectation which will not be realised; and you may depend upon it if I meet you in the future you will know the whole affairs of this company just as much as I do at any time. We have changed the management at the mine entirely. You know the old adapt about the new brooms sweeping clean and so on. I must say the captain we have appointed throws his whole energies into the matter, and bids fair to do well. I healtate to say how much I hope from him. He is aconomical, thoroughly at heart, and yet he is a practical mas who has great experience in mines let the has successfully worked it, and I believe he has paid dividends for 10 years. However, he has worked it so long as to show he is a thoroughly reliable man. However, he has worked it so long as to show he is a thoroughly reliable man. Mr. Bawden retains his position as purser pro ten, and he is willing, if we can see our way to sare the sum that costs us, to retire. Bo I think under the circumstances you may congratulate yourselves that the money which will be required to do this will be supenied most economically, carefully, and practically. The money you will invest down there will not be of great amount, but you are assured it will be well applied, and be closely looked after. It will not be wasted and aquandered down the mine. We have made arrangements for walls for money. There will be no superfluous expenditure down here and above ground, and when we purpose pursuing. With these remarks I will move "That he directors' report, along with the statement of receipts and expenditure, and the balance of the most walls for money. There will be no superfluous expenditure, and the balance of the most walls for money. There will be no superfluous expenditure, and the balance of the most walls for money. There will be no superfluous expenditure, and the balance of the most walls for money. There will see no superfluous expenditure,

which had almost escaped me, and that is from the balance in hand and the results since the balance-sheet is made up we will have to look, in the face. It is imminent, It is no use my telling you and giving a rosy view of things and getting over this meeting, and at the board meeting making a call and surprising you in that way tell you the board and the management entirely approve of the we are pursuing; and when I say that the board and the management entirely approve of the sound some 11,000 shares out of 50,000, you may be sure they are very a ful before they decide on making the call, having aimost a quarter of that and amongst themselves. But when it is necessary to make a call you we dealt with as leniently as possible. At any rate, we shall not call upon you the money under three months, and then at the most is. a share, and you if you like, pay that in two instalments. So under the circumstances I think know the main facts and position of the company. I will be glad to answer enquiries, and give every information necessary.

Mr. HERNY WILSON seconded the motion, and in doing so said he one agreed with the statement made by the Chairman.

Mr. York was surprised that the board had changed the local management when the company is the local management were all the possible of the company of the company in the local management when the company is the house that matter would not be gone into. The discontinual that the content of the company is the house that matter would not be gone into. The discontinual that the content is made to the content of the which had almost escaped me, and that is from the balance in hand a

many men. He should like to see the notice sent to Mr. Bawden asking his retire.

Mr. Bawden said he hoped that matter would not be gone into. The direct thought fit to change the management, and he bowed to their decision. Mr. York: You are more lealent than I thought you would be.

The OHAHMAN said no aspersions and no allusions were made to Mr. Bawden saidering that Mr. Bawden was still paying the men. Mr. Bawden was still paying the men. Mr. Bawden was all shareholder, and he approved of their policy.

Mr. York asked the reason Mr. Bawden was discharged?

The CHAIRMAN said they wanted a resident manager, which they had tained. One of Mr. Bawden's wown men, in whom he had great confidence, taken his place.

The OHAIRMAN said, in reply to further questions, it was difficult to give precise date as to when they would get the mine clear to 102 fathoms. In then hoped to progress at the rate of 30 of 4 fathoms a month, and as to these its would not be much if any more than 2004, a month.

A SHARRHOLDER said he did not like to see salaries reduced, and he he when they were in a better position that they would be raised again.

After some further discussion the report and accounts were adopted a nimously.

Mr. STEWART proposed the re-election of Mr. Wilson and Mr. Adventure.

After some further discussion the report and accounts were adopted nimously.

Mr. Strwart proposed the re-election of Mr. Wilson and Mr. Andens directors, and Mr. Yonk having seconded the motion, it was agreed to.

Messers. J. and W. Yonk having seconded the motion, it was agreed to.

Messers. J. and W. Graham and Maccall were then re-elected auditors.

Mr. Bawden said he wished to read a telegram which he had received the Duchy agent, Mr. Geo. F. Richards, in reference to the mine. He said inspected yesterday, much pleased with work accomplished, objects you template should be pursued for the future success of the mine. Although the Mr. Bawden) had retired from the underground management his company he still held a very large interest in the concern, and he hadned sold a share, and had as much faith in the mine as he ever had. Had they for the nor fallen but stood at 67%, a ton they would have made a very good perfectly satisfied with what had been done in the mine. There been a lot of hard work done, and without the loss of a single man it had done as economically as possible. Although he now had nothing to do the management of the mine he should at all times be glad to assist the pany in any way he could.

The CHAIRMAN said he was glad the Duchy agent approved of their ceedings.

pany in any way no could.

The CHAIRMAN said he was glad the Duchy agent approved of their ceedings.

Mr. Peter Watson said it was very desirable to get down from the 32 to 102, and below. That was the purpose for which other companies were stared to the could not accomplish it; and this company was also started for object. They started when tin was at 57t, per ton, and it was thought would get sufficient in to go down with, out unfortunately the price of in gone down to 43t. 15s. They had sold in the last 12 months 150 tons of which realised 7786t. Had they got the price it was at when the company started they would have had 3600t. more, or 11.360t., and thus have show profit on the working and development of the mine. The directors met at mine last week, and resolved to clear out from 92 to 102 fms. It was impost to know how long that would take, but in the ordinary way three or four me would get it down from 92 to 102, and in seven or eight months, with the a a boring-machine, they ought to be down considerably deeper. There we continuous run of 300 fms. of tin ground. There was no mine in the conthat had such a rich run of tin ground, and when they got 20 fms, deeper would open out into an extensive and safe mine. It had been said about haif a million worth of tin had been sold out of the mine. As to the the board must give three months notice, and he hoped that is, per share we be sufficient for the purpose of getting into that ground. The deeper they share when they approached the killing grantle formation, and that was the cotion under which tin had been found in all the rich mines in Cornwall hoped they would push forward this shaft another 20 fms, below the 102, as had not the alightest doubt in his own mind but what they would open out arich mine.

The proceedings closed with a vote of thanks to the Chairman.

The proceedings closed with a vote of thanks to the Chairman.

TRANSVAAL GOLD EXPLORATION AND LAND COMPAN

TRANSVAAL GOLD EXPLORATION AND LAND COMPAN.

The report of the directors prepared for presentation at the meeting on Aug. 29 has balance-sheet annexed to Dec. 31, showing the at that date there were sundry debtors 4911, 16s. 7d., and cash bankers 26641. 10s. 3d. to meet debenture interest due 14691. 10s. 11 and sundry creditors 24,2391. 17s. 7d. An elaborate and admirabilitation of the property by Mr. J. O'Donoghue, F.63., who ath request of the committee proceeded to the Transval to inspect and report method on the company's property, and with instructions to prepare surveys and suspians for its future working and development. Mr. O'Donoghue's investigate (which extended over a period of six months) show the coingany's property be of immense value, and that by systematic working substantial success be of immense value, and that by systematic working substantial success be ansured.

The remote situation of the gold fields has, as was to be expected, render the adjustment of the initial difficulties attaching to every new mining unstaking extremely arduous, and has retarded the removal of obstacles, which was impossible to provide against in advance. Hindrances are gradually between the substance of the company of the first of source of their staff to make investigations, and to adopt the requisite measures to render the machinery capable working to the full estimated capacity for which it was designed. His admiratate that there is no mechanical obstacle to the full inflament of the origin estimate.

working to the full estimated capacity for which it was designed. His admixed to the full state that there is no mechanical obstacle to the fulfalment of the originestimate.

The quantity of quartz crushed at Brown's Hill to July 28 was 2091 is and the yield therefrom 1418 ozs. of gold, or an average of 13½ dwts. perfect value 53174. This quartz has been obtained from excavations by the dig prior to the acquisition of the property by the company. It is desirable explain that with it was associated a rich deposit of fine earth, containing larger proportion of gold, which the diggors were able to treat successing during excavation, even with the primitive appliances at their disposal, least the quartz untouched. It will therefore be understood that the yield from above crushings does not represent the correct average value of the general a ferous deposits, which consist of quarts mingled with earth.

Mr. O'Donoghue states that owing to the honeycombed condition of Brot Hill, due to the method of excavation pursued by the diggers, it would be aw of great difficulty and needless expense to excavate these auriferous deposit cose mining operations on a large scale, and in consequence it is not a templated to continue this system, but to substitute therefore, so Lar as great itselfie, the method of excavation pursued by the diggers, it would be aw of great continue this system, but to substitute therefore, so Lar as great itselfie, the method of excavation pursued by the digner therefore, so Lar as great continued the substitute of the continue this system, but to substitute therefore, so Lar as great cashing of expense funds, the surface quarts referred to will alone be dealt with for the present fuel), the surface quarts referred to will alone be dealt with for the present well as the substitute of the recommendations.

With reference to Ophir Hill, advices have been reserved from the manage the effect that the machinery there would commence working this mow with a view to give immediate practical effect to the reco

THE RAILWAY MARVELS OF NEW SOUTH WALES.—The princip THE RAILWAY MARVELS OF NEW SOUTH WALES.—The principal objects of interest on the railways of the colony are the Zigzags Emu plains and Lithgow Valley on the Western line. Since the opening of the line to Howenfels thousands of tourists from all land have visited these works, and expressed unbounded admiration of the rugged grandeur of the scenery, and the engineering skill all pluck displayed in designing and constructing these stupendowns, which are probably not surpassed on any railway in the world. But a description or even an inspection of the Lithgest Valley Zigzag gives only an imperfect idea of the difficulties the had to be encountered, and the vast amount of work that had to be performed before it was hewn into its present shape. From the Clarence Tunnel to the bottom of the Valley there is a descent of the through a deep and rugged raying, where formerly there we Clarence Tunnel to the bottom of the Valley there is a descent 470 ft., through a deep and rugged ravine, where formerly there a scarcely footing for the mountain goat, and where the surveyor assistants had occasionally to be suspended by ropes in the performance of their perilous duties; but human skill and enterprise have opened a pathway through these broken mountain ranges for the railway train that now traverses the sides of the mountain or gradient of 1 in 42. In the execution of these works two gigantic masses of rock—the one estimated to contain 40,000 and the other 45,000 tons—had to be blasted; and the contractor, after calculating the cost, determined to call in the aid of electricity for that purpose the cost, determined to call in the aid of electricity for that purpose For the first mass 31 tons of blasting powder were employed, and dis Superintendent of Telegraphs (Mr. E. C. Cracknell) succeeded is firing the blast, which tore the mountain asunder, heaving has masses of rock into the valley, and leaving the face of the pars mountain almost as smooth as if it had been cut with chisels. removal of the second mass—the blowing up of a tunnel—for whish tons of powder were used, was successfully accomplished also if galvanic agency.

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FOREIGN MINES.

FOREIGN MINES.

LIFORNIA.—Alfred Rickard, July 31: Telegram: Mill run, 560 tons; yield (340.); smelting ore sales, \$590 (1181.)=958.

LAO BIS GOLD.—G. Volveider, June 26: The working in No. 3 shaft has essed favourably, the total depth up to yesterday being 185 ft. I have cut ght the lode reported in my last, and will continue sinking for a few feet er, and then I shall be compelled to make room for the lowering of the the shall be compelled to make room for the lowering of the the shall be compelled to make room for the lowering of the the John of the lowering of the property of the shall be compelled to make room for the lowering of the guires opening up.

LOMBIAN HYDRAULIC.—W. 8. Welton, June 19: Run No. 104: We due the upper portion of the sluice after a run of 542 hours, and obtained valued at \$2565 79, which, with the purchased gold, makes the returns for nonth \$2333 73, the total expenses at the mire for the same period being 95, leaving a profit of \$656 73—equal to 131. The low produce per hour ared with last run is entirely owing to the extreme hardness of the gravel of to any falling off in the richness of the dirt. At several points gold be seen in the gravel as it stands in the bank.—Platilia Mine: A piece of has been put in the Platilia ravine to run some gravel through which at at blocks the line of the new pipe. The quantity of gravel appears to be lent for working a considerable time. On the tracing I show a proposed for working the Platilia Mine; A lailing directly into the Rio Luclo. This as to me to be the best means of working that portion of the property with-enumbering the present sluice and outlet with the Platilia tailings.—Lower dera Ditch: Since the tunnels collapsed on the 16th ultimo, a set of runen have been employed at each tunnel securing and driving through ildes, and it will take from six weeks to two months yet to finish the work nume the tunnels.

LORADO UNITED.—Mr. Macrae: Report for week ending July 12 is as a graven to the security of the property of the property of the pre

sode, eats of the tunnel, a party have a regular streak of nice-looking ore, sing about \$\frac{1}{2}\$ ton to the fathour, and on same look to week another party leased the leaf or cent.—Shipments: During the week we have he party of acids of the leaf of the same party of the same p

riging thost paratus and the arrangement for litting the wagons and reging the staff from the fore-ends in the mine to the bank at surface below the 173, will yield 4½ tons of ore per fathorn; it is strong and proglooking, and the assay value this week is 1 oz. 6 dwts. 7 grs. of fine gold on of rock. If the lode continues as good when we have opened out g ground there need then be no fear about it becoming profitable to with confidence as to the yield of gold, and we only now require to prove he lode continues to holdion. It affords me very considerable pleasure to be o hold out to you this encouraging statement, especially after the many pointments and failures on this field. There is nothing new at any other to call for remark this week. The stamps continue to work very well.

W CALLAO.—The manager writes (June 23) that he was continuing to an the Pinelli lode, although slowly, having been delayed some time by vinder.

Winder.

W. EMM. SILVER.—G. Cullins, July 14: The snow from in and around orks has entirely disappeared, and road is open. I am anxiously awaiting 5. If anything is to be done this year work should commence not later than 1, as it will take balance of season to get fuel enough to run until spring 8 again.

s again.

W POTOSI.—Manager, June 20: Attwood's Shaft: In consequence of the severe floods we had on May 23 to 28, we have not made as rapid progress ual. No. 2 drift west has been driven 45 ft., the vein being small and poortubered close up, and is now 201 ft. from shaft. In the back of this level tope yields payable quartz, with occasional patches and spots rich in gold, ave communicated the winze below No. 2 with No. 3 drift, and are now vely pushing this drift, and quite expect to report an improvement within

the next 20 ft. At present there are two pumps in this shaft, No. 5 and No. 11 Cameron. The new pump chamber below the No. 11 will be completed this and at the new No. 11 placed there, so that we can resume sinking the shaft, and at the new No. 11 placed there, so that we can resume sinking the shaft, and at the new You placed there, so that we can resume sinking the shaft, and at the send riven 17 ft., being 29 ft. from shaft. The vein is improving east ward, but not yet in profitable quarts. No. 1 drift west is 36 ft. from shaft.—Service's shaft. No. 2 drift east has been driven 26 ft. The vein continues much amount of stoping ground here ready for the milli, and during the next 15 days a stronger derrick will be placed which will economise the handling, and enable us to have the quarts much faster with the same engine.—Timbering and Service's and 4 in.) boards; 2625 ft. dark he month 126 ft. count of the placed with a shaft of timbers in ni-chaft have also been replaced.—Surface Improvements (Miney). We hope to complete the two new derricks on Attwood's and Seriven's shafts during the coming per day.—Milling. Denients will give us a hoisting capacity of 150 to tons per day.—Milling. Denients will give us a hoisting capacity of 150 to tons per day.—Milling. Denients will give us a hoisting capacity of 150 to tons per day.—Milling. Denients will give us to run these without interruption. The new stone-breaker will also be fixed during the month.—Return of Gold: 1t is aimost limposible to give any definite estimate of what our returns may be identified to the properties of the same difference of the properties of the same difference of the properties of the and logs, and freights of machinery. You are varied to the properties of the and logs, and freights of machinery. You are varied to the year will find us quite prepared to supply a 60 stamp milling. The new to contract for clearing and marking the company's estate boundaries.—Health The health of the start has been fairly good, and the water will be turned i

ton, and as this mineral does not contain much pyrites, should the lode continue down, it will be of great value, as most of the gold can be extracted by amalgamation. I Intend putting some men to cross-out in order to prove it in depth.

PESTARENA UNITED.—Wm. Roberts, jun., July 15: Pestarena Distric I: No. 1 Lode: The 140 fm. end, driving north, still carries its regular size of lode, but of low grade ore, yielding 5 tons perfathom of 7 dwts. per ton. The 140 fm. end, driving south, carries a small vell of pyrites on the footwall, and yields I ton per fathom of 8 dwts, per ton. In the 130 fm. end, driving north, there is now a lode 40 centimetres wide, well impregnated with pyrites, carrying a good flookan on the hanging-wall, and has become easier for driving, and now yields 4 tons per fathom of 9 dwts, per ton. The 130 fm. end, driving south, is still advancing in hard rock, and carries a little ore on the eastern wall, but not enough to value. The intermediate drive south, above the 120 fm. level north, shows a goad width of lode, and is opening out some fair stoping ground. The lode in the 110 fm. end, driving south, continues of its former size in the sole of the level, but is wedging out towards the back; it vields 1 ton per fathom of 3 dwts. per ton. In the cross-cut in the 110, west of No. 1 lode, good progress is a vein of quartz well charged with pyrites, yielding 1 ton per fathom of 7 dwts. per ton. The 30 fm. end, driving south, is going forth in stratified rock, and carries a vein of quartz well charged with pyrites, yielding 1 ton per fathom of 7 dwts. per ton. The 30 fm. end, driving south, is advancing in strong gnelss rock, without ore, carrying a little ore on the footwall, and yields 1 ton per fathom of 10 dwts. per ton. The 30 fm. end, driving south, is advancing in strong gnelss rock, without ore, carrying a good divisional line, with a little flookan on the same. The 65 end, driving south, is in massive silleeous rock traversed with small erings of quartz carrying a little ore on the foo

No. 1 level on the eastern branch, when we hope to find an extension of th latter.

ST. JOHN DEL REY.—Telegram from Morro Velho, dated Rio de Janeiro July 29: Produce nine days, second division of July, 6500 oits.; value, 25124.

breadth in both ends. From No. & cf. San Juan west 3½ eargiss were sold in public sale for \$375, and from No. 6 of San Juan east 3 cargas for \$312. From No. 7 of San Juan east 3 cargas for \$312. From No. 7 of San Juan east 3 cargas for \$312. From more ore is to be got from the freines, 50 of San Andrew west, therefore, no more ore is to be got from the freines, 50 of San Andrew west, the freeders, no sold 6 cargas for \$311. In frents No. 10 of San Andrew west the lode is 30 centimetres broad, and contains little ore. Last Thursday we sold 1½ carga for \$70. In frente No. 11 of San Andres west the ore is of an Inferior class. In No. 12 of San Andres, though we have no ore in this working we continue our advance to communicate with frente No. 10 of San Andres west, which is close by.

In pozo No. 1 of San Andres the width of the lode has decreased to 75 centimetres, but the quality of the ore has improved considerably. In pozo No. 1 of San Andres the width of the lode has decreased to 75 centimetres with the quality of the ore has improved considerably. In pozo No. 1 of San Andres the width of the lode is 50 centimetres wide. No. 10 of San Andrew veit; the No. 15 of San Andres from the level of the Green's No. 10 of San Andrew veit; the No. 15 of San Andres from the level of the Green's No. 10 of San Andrew veit; the No. 15 of San Andres from the level of the Green's No. 10 of San Andrew veit; the No. 15 of San Andres from the level of the No. 10 of San Andrew veit; the No. 15 of San Andres from the level of San Andrew west, the No. 15 of San Andrew of San Cayetano, and counting the produce of El Diamante we have 753 cargas of haclenda ore, yielded by the mines of the new on over ——Add it. In the frente of San Cayetano de la Ovejera for the week ending July 5, 510, 301; outlay, 34105.

El Diamente returns, \$3432; outlay, \$443.

UNITED MEXICAN.—Mr. Hay, July 14: Mine of El Diamante: In the frente of San Cayetano de la Ovejera for the week ending July 5, 510, 301; outlay, 34105.

El Diamente returns, \$2432; outlay,

CONSETT IRON COMPANY.

This company having recently got a quotation on the London Stock Exchange, the subjoined will be of interest to many readers of the Mining Journal. The report for the past year has just been issued. It states that the profit for the year was 85,6311., and after meeting the interim dividend and extinguishing special expenditure on new offices and plate mills alterations a dividend of 11s. 6d. per share is recommended. The growing demand for steel plates caused the directors to give orders for the erection of six additional Siemens-Martin furnaces and other adjuncts. The following table, prepared by Mr. S. N. CHALLONER, of Newcastle-on-Tyne, shows the profits, dividends, and prices for the past 10 years:—

		ling June								July				ug. 7.
1875		£215,101	*****	40/-			50	-	*****	. £2	44		***	£241
1876		86,257	*****	20/			40	/-	*****	. 2	42	****		193
1877		83,288	*****	7/	5		15	-		. 1	84	****		194
1878		57,996	*****	5/			13	/9	*****	. 1	83			191
1879		55,995		5/-			10	/-		. 1	6			15
1880		104,497		7/	6		22	6*		. 2	34	****		30
1881		195,070		15/-			25	/-		. 2	54			244
1882		128,494	******	12/	6		17	6		. 2	67	****		241
1883		130,218		12/6	8		15	1-		. 2	41			24
1884		85,631								. 1	8	****		19†
# And 14	hon	us share (2	7. 10a.	ma	kin	y wi	th	the	divid	end	31.	12a.	61	for t

half-year. † Present price.

From 1874 to 1880 there was a reserve fund of 100,000*l*., which, together with 38,000*l*. taken from undivided profits, was in 1880 given to the shareholders in the proportion of one share, 7*l*. 10s. paid up for every three shares held. The bonus share being worth 15 premium, the bonus was really equal to 7*l*. 10s. instead of only 2*l*. 10s. In 1876 and 1877, when the profits and price were about the same as at present, the share capital was only 422,145*l*., and the loan account between 150,000*l*. and 160,000*l*., but now the share capital is 552,000*l*., and the loan account 190,213*l*.

Original Correspondence.

DON PEDRO GOLD MINING COMPANY.

SIR,—Finding that information is being forwarded to the share-holders by persons unconnected with the office, and that the name of the company is being used on such advices without authority, I take this opportunity of informing you that all reports will be regularly transmitted to the Mining Journal from this office, and that in order that you may know that they are official the documents will be signed by the secretary.

John E. Dawson, Secretary.

London, Aug. 1.

[ADVERTISEMENT.] EAST LOVELL.

SIR,—As I fail to obtain a recent list of my co-partners in the above mine, with their addresses, may I through your widely-circulated Journal ask all holders to favour me with the number of shares standing in their respective names forthwith? E. J. BARTLETT.

ST. JOHN DEL REY.—Telegram from Morro Velho, dated Rio de Janeiro, July 29: Produce nine days, second division of July, \$500 oits.; value, 2515./.; yellow for the produce of the produce INSTITUTION OF MECHANICAL ENGINEERS.—The summer meeting

PROVINCIAL STOCK AND SHARE MARKETS.

PROVINCIAL STOCK AND SHARE MARKETS.

CORNISH MINE SHARE MARKET.—Mr. S. J. DAVEY, mine share-dealer, Redruth (July 31), writes:—Our market has not been particularly active, but we have had a rather better demand for shares this week. Tinerofts advanced 2. At West Kitty meeting on Tuesday a 12s. dividend was declared. Subjoined are the closing quotations:—Carn Bres. 2% to 3: Ocok's Kitchen, 9 to 10: Dolcoath, 73% to 74: Sast. Pool, 42% to 43%; Killifreth, ½ to ½; New Cook's Kitchen, 1 to 1½; New Kitty, ½ to 1½; North Busy, 1s. to 2s.; Pedin-an-drea, ¾ to ½; Polberro, 1½ to 2: South Condurrow. 8% to 9½; South Condurrow. 8% to 9½; Subth Condurrow. 8% to 8½; Theratort, 7½ to 2½; Trevaunance, 1½ to 2; West Basset, 3 to 3½; West Frances, 4½ to 5½; Wheal Kitty, 11 to 11½; West Seton, 4 to 4½; Wheal Agar, 15¼ to 17½; Wheal Basset, 2½ to 3½; Wheal Grenville, 6 to 6½; Wheal Peevor, ½ to ½; Wheal Kitty, ½ to ½; Wheal Custes, 3s. to 5s.

— Mesurs, Arrorr and Wickerr, Stock and share brokers, Redruth (July 31).

(; Wheal Kitty, ½ to ½; Wheal Uny, ½ to ½; Wheal Coates, 3s. to 3s.

— Mesurs. Ausorr and Wickerr, stock and share brokers. Redruth (July 31), rite:—A fair business has been done during the week in Dolcoaths up to 74, osing, however, below best. Tincrofts have advanced about 2, and continue in odd demand as also Wheal Agars, West Kittys, and East Bools. Closing quotaons herewith:—Camborne Vean, ½ to ½; Cara Brea, 2½ to 2½; Cook's Kiten, 9 to 10; Dolcoath, 13½ to 74; East Blue Hills, ¾ to ½; East Fool, 42¾ to 43½; Killifreth, ½ to ½; Xww. Cook's Kitchen, 1 to 1½; New Kitty, ½ to ½; South ofter, 3 to 4; South Wheal Frances, 3 to 3½; Tincroft, 7¼ to 3½; West Basset, 3 ½; West Kitty, ½ to ½; South ofter, 3 to 4; South Wheal Frances, 5 to 5½; Tincroft, 7¼ to 8½; West Basset, 3 ½; West Kitty, ¼ to 1½; Wheal Basset, 2½ to 3; Wheal Grenville, 5½ to 6½; heal Kitty (8t. Agnes), ½ to ½.

Wheal Kity (St. Agnes), % to %:

— Mr. M. W. Bawders, Liskeard (July 31), writes:—The mining market continues steady and evinces a greater degree of firmness than has been experienced for some time past, with a good enquiry for East Pool, St. Just United, Tincroft, and West Kitty shares at an advance in price. Subjoined are the closing quotations:—Anderton United, 3; to %; Bedford United, 1% to 1%; Camborne Vean, % to %; Oarn Bres, 2½ to 2%; Carn Camborne, % to %; Cook's Kitchen, 9% to 10; Dolcoath, 73 to 73%; Devon Cossols, 2 to 2%; East Caradon, % to %; East Pool, 43 to 43%; Glasgow Caradon, % to %; East Pool, 43 to 43%; Glasgow Caradon, % to %; South State Caradon, % to %; East Pool, 43 to 43%; Glasgow Caradon, % to %; North Busy, 2s. to 3s.; Old Gunnislake, % to %; Phænix United, 2% to 2%; Prince of Wales, % to %; South Coratron, 8% to 4%; South Cordtry, 4 to 4%; South Devon United, % to %; South Frances, 7% to 8; St. Just United, 7 to 7%; Tincroft, 7% to 8; West Basset, 3 to 3%; West Caradon, 1s. to 1s. 5d.; West Frances, 5 to 5%; West Sasset, 3 to 3%; West Caradon, 1s. to 1s. 5d.; West Frances, 5 to 5%; West Ketty, 10% to 11, xd.; West Crebor, 1s. to 1s. 6d.; West Pennix, % to %; West Seton, 4 to 4%; Wheal Agar, 16% to 17; Wheal Crebor, 1 to 1%; Wheal Grenville, 5% to 6; Wheal Kitty, % to 3/.

— Mr. JOHN CARRER, mine sharedealer, Camborne (July 31), writes:—The

6; Wheal Kitty, ¾ to ¾.

— Mr. JOHN CARTER, mine sharedealer, Camborne (July 31), writes:—The principal feature of interest in the share market during the past week has been the advance from 5½ to 8 in price of Tincroft shares, on an improvement taking place in the mine. Cara Breas, East Pools, Dolcoaths, Wheal Agars, and South Frances also close better, and are in request. Subjoined are the closing quotations:—Cara Breas, 3 to 3½; Cooli's Kitchen, 9 to 10; Dolcoath, 74 to 74½; East Pool, 43½ to 43½; Killifreth, ½ to ½; New Cook's Kitchen, ¾ to 1½; New Kitty, 1 to 1½; South Condurrow, 8½ to 9½; South Crofty, 2 to 3½; South Frances, 8½ to 8½; Killoren, 9 to 11; West Basset, 3 to 3½; West Frances, 5 to 5½; West Kitty, 10½ to 11; West Soton, 4 to 4½; Wheal Agar, 11½ to 11½; Wheal Basset, ½4 to 3; Wheal Grenville, 5½ to 6; Wheal Kitty, ½ to ½; Wheal Poevor, ½ to ½;

MANCHESTER.-Messrs. R. JOSEPH and W. P. BAINES, sharebrokers, Queen's Chambers, Market-street (July 31), write:—Though trade reports and indications respecting trade, derived from railway traffic announcements, do not all warrant an encouraging view to be traffic announcements, do not all warrant an encouraging view to be taken of values in home railway securities, the continuance of cheap money enables "buils" to hold sway, assisted as they are by the holiday traffic diverted from the continent. The latter influence is most noticeable in the case of Socta tacks, the upward movement in which has undergone further decided development during the past week; but all lines show more or less improvement, notwithstanding no great amount of activity. American rails, with a prospect of a big harvest, sre being bought, and they, too, are consequently better. Mexican railways, still showing small returns of traffic, are again lower, as the published carnings are taken to foreshadow the endangering of their first preference dividend, so naturally the Ordinary stock is affected adversely. Foreign funds, beyond a rise of 2½ and 1½ respectively in Spanish and Italian, have not changed much. Egyptical Preference and Dairs Sanich are ½ and ½ down; but the Unified show no alteration as against Thursday last. Colonial Government bonds—no variation besides a fail of ½ in Cape of Good Hope Five per Gent.; Corporation Stocks very firm, and bad to meet with; Manchester Four per Gent. Stock has risen I, and Bradford Four per Cent. ½. Miscellaneous series produce but a meagre business, which may be accounted for, to some extent, by the attention given to the settlement which commenced on Monday

series produce but a meagre business, which may be accounted for, to some extent, by the attention given to the settlement which commenced on Monday ast.

BANS have a good proportion of the business passing, and full prices are the rule.—Higher: Manchester Joint Stock, 34; Bank of Bolton, A, 36.—Lower: National Provincial, 1.—INSURANCE still quiet, very few dealings being reported.

—Higher: British Re-Insurance, 2s, 6d, to 4s, 6d; Globe Marine, 2s.; Liverpool and London and Globe, 34; Royal (Liverpool), 36; and Lancashire and Yorkshire Accident, 16s.—Lower: Commercial Union, 36; United Fire Re-Insurance, 4; British and Foreign Marine, 36; to 34; and Equitable Fire, 15s to 36; Ocal, 180X, 6c., AND MINING.—Transactions very few indeed, and changes in questations contradictory.—Higher: John Browns, 36; to 136; A. Knowles, 3; Ebbw Vale, 3f; Rio Tinto, 3f; Patent Nut and Bolt (about) 3f; and Tharils Bulphur and Copper, 36.—Lower: Sheepbridge, A, 14f; B, 3f; Blokkow's fully paid, 1; ditto pref., 3f; Earle's Shipbuilding, 3f; Sharp, Stewart, new, 3f to 36; and Paimer's Shipbuilding, A and B, 3f; each.

COTTON SPINNING, &c.—No change for the better, prices still tending against sellers.—TELEGRAPHS: Anglos rather tester, ress very little changed.—TELEPHONES: Lancashire and Cheshire, Nationals, and Uniteds all better, the last-named most particularly.

MISCELLANEOUS—Very few lots, changing hands. Hudson's Bay and Manchester Carriage and Trams A and B higher. Gas Light and Coke A ordinary 1, and Hull Docks 2 down.—Raitways: The tourist traffic in the North as against the Continental traffic has helped the value of Scotch lines very distinctly, and had the reverse influence on southern lines until to-day, whon some circumscribed, all rails having participated on scarcity of stock, and low value of money, bringing surplus money in hands of bill discounters into purvement, button ord is made of the favourable influence. An Canadians the Trunk traffic on main line 5783 decrease, but as Chicago and Grand Trunk shows 2364, and

Sentime Previous, 10—Internation of the Property of the Proper

of oil and miscellaneous comp round in oil shares, owing to br of oil. Burntisland have advan

BDINBURGH.—Messrs. Thos. MILLER and Sons, stock and share brokers, Princes-street (July 30), write:—Scotch railways have been in demand since last report, and have risen nearly all round; Caledonian, Great North, Highland, North British, and Edinburgh and Glasgow have all moved upwards. Canadians and Americans have made a marked advance. Bank stocks have been steady. Arizonas have as usual been lively, and have advanced. Very little has been done in other mining shares. Since We sneaday last week Caledonian has advanced from 38 to 101, Great North from 35% to 43%, North British from 97% to 101%, Edinburgh and Glasgow from 38% to 53%. Commercial Bank have declined from 51% to 51% Union have risen from 20% to 21%, Royal from 218 to 220. Prairie Cattle shares, Second Issue, have improved from 61% to 7 Third Issue, from 73% to 74%. Edinburgh Tramways 10% to 10%. Arizonas have advanced from 24%, 9d. to 25%. 6d., ditto New from 23%. 3d. to 24%. 6d., Marbellas from 55% to 53%. 6d. Burntisland Gli from 11% to 13%. Lanark from 54% to 85%, Midlothian from 45% to 52%. 6d. Young's from 10% to 11%. Nobel's Explosives have advanced from 15% to 15% to 17%

Mining Correspondence.

BRITISH MINES.

BEDFORD UNITED.—H. Trezise: July 29: North Lode: In the 136 cust the lode is worth 1 ton of ore, or 31. 169. per fathom. Two pitches on this lode are worth 64. per fathom, or 2 tons of ore each.—McCallan's Shaft, Bridge Lode: The lode in the 25 cast is producing a little ore and mundic, but not enough to value. In the same level west the lode is taken down, producing a little mundic and ore, but nothing to value. The lode in the 62 west will produce 1 ton of ore cach per fathom, worth 64. per fathom. Three litrihue pitches will produce 2 tons of ore each per fathom, worth 64. per fathom the each. In the 62 cast the lode is strong and misterly, but not good enough to value. Three tribute pitches lode is strong and misterly, but not good enough to value. Three tribute pitches, east of shaft, will yield 1½ ton of ore, or 44, 10s. per fathom each. In the 42 cast the lode is unproducitive. I wo stopes in the back of the 42 cast will produce 3 tons of ore, each worth 101, per fathom. One stope in the bottom of the 42 will yield 2 tons of ore per fathom, worth 64. No. 2, will produce 2½ tons worth 84. per fathom. We have sampled 184 tons of good one.

CARN CAMBORNE.—W. O. Yivian, July 31: We have almost precisely the same appearance in the levels driving south and west at the 106 as when I wrote list. We are duly looking for a discovery, and I trust that I may before long be able to send you intelligence of it.

CASHUWELL.—John Peart, July 26: The heading next to drift forehead, in copper hazle, is looking better; the voin is carrying ore into the plate above the still, and in one place up to the sear limeatons drift sole, and will average 1 ton of lead ore per fm. all the height. The heading coming cast in the stratum continues to carry ore up to the top of sill, and a good wideh of vein all the height; it is worth 1½ ton of ore perfam. The vein in the drift going west in copper hazle is very hard and poor. The vein in the drift going cast in the above stratum has improved a little; the vein in one 12 in, wide, compo

time.

DEVON FRIENDSHIP.—F. R. W. Daw, July 11: The ends and stopes continue to yield their usual quantities of arsenical mundic, and I am piessed state that all the points throughout the mine are improving in value for this mineral, as you will no doubt have seen from the increased returns of arsunic

sinking in the bottom of the shallow adit, as referred to last week, is going in a good lode, maintaining its size and productiveness, thus showing that is only required to bring the mine into a remunerative and profitable poet There is no other change calling for special remark.

GREAT LAXEY.—F. Reddiolifes, July 30: In the 29 the lode has become wide in the end to be all carried in driving, but for the 4½ ft. wide it situations ore to about \$2\$. per fathom in value. The lode in the 275 end has important is worth 20. per fathom. In the side driving at the 235, almost immendant is worth 20. per fathom in the side driving at the 235, almost immendant is worth 20. per fathom in the side driving at the 235, almost immendant is un Monday next. There is scarcely any change in the 235 end southlook parhaps in a little more regular form. The working in 190 north, lode perhaps in a little more regular form. The working in 190 north, through into the stope below, and although the ground is still good, it that a small section at this point to be taken away.—Dumbell's: The lode in 230 end was spoken of as having been cut off by a slide, since then a creating the continuous still good in the state of the continuous still good, it is the last-manitoned direction, enough of it, however, is not yet seen to see the 170 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have again as yet re-entered productive ground. A new winten 187 end have ground in the last the

dered it for the time. We are clearing slowly the level on No. 3 vein. In going on well.

HEALEXFIELD.—J. Trelease, July 25: The sinkers are clearing of debris from the bottom of the shaft, and we are now realy to go on well sinking. Most of our tributers have left their workings in the old mine have only three partnerships left now; these stopes are worth respective 12, and 18 cwars. of lead per fathom. No other change to notice.

KIT HILL GREAT CONSOLS.—Isaac Bichards, July 31: At the Tunnethe ground continues favourable for exploration, and 2 fm. 4 ft. has been during the past week.—North Engine-Shaft At the 100 fm. level the tri a completed, and the slaking of the shaft will be resumed with all speed the 100 fm. level west the lode is 5 ft. wife, of an exceedingly promising eter, and yields a little tin ore. In the 33 fm. level west the lode is 5 ft. composed of capel and quarts, with peach and mundic, and is now yiell little tin ore.

in completed, and the slating of the shaft will be resumed with all speed, the 100 fm. level west the lode is 5 ft. wide, of an exceedingly promising claster, and yields a little tim ore. In the 85 fm. level west the lode is 5 ft. a composed of capel and quartz, with peach and mundle, and is now yielding little tim ore.

KilliFRETH.—John Michell, Joseph Tamblyn, July 31: Setting Rengine-Shaft: The 90 driving west, by three men and three boys, lode still ordered. The winze which we were sinking below the 70 last month is suspend for the present in consequence of so much water. The 70 end to drive west three men and three boys, the lode is 3 ft wide, very hard at present, and productive. Four stopes in the back of this level, by 11 men and 11 bom worth on an average 102, per fathom cach. The 50 end east, by two meas two boys, lode 2½ ft. wide, producing good stones of tin, a very kindly end, winze sinking below the 50, 3 fms. cast of cross-course, by three men at three boys, lode 1½ ft. wide, wroth 50. per fathom. Hisling against Tregon shaft, by two men and two boys, we expect to communicate with the botte the shaft this month. The 30 end to drive east, by two men and two boys, 9 in. wide, at present poor. Having put the flat-rods to work we are now and two was a simprovement. One stope in the back, by three men and three boys, lode 3 ft. and worth from 12t. to 15s. per fathom. The 53 end to drive west, by a men and three boys, lode 2½ ft. wide, and looking very promising for an improvement. One stope in the back, by three men and three boys, lode 3 ft. wide, productive, but looking kindly. We have six tribute pitches working, by men, as an awerage tribute of its, 4t wide, and looking very promising for as a improvement. One stope in the back, by three men and three boys, worth the 30, south of Gundry's shaft, is 2 ft wide, yielding rich stones of ma and copper ore, and showing a good fotowall, but is still rather disordend in the 130, south of Gundry's shaft, is 2 ft wide, yielding rich stones of ma and copper

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of the engine-shaft, and we purpose at an early date putting in skip and capstan road for raising and lowering pitwork, and all ores and debris by virtue of the winding-engine and steam capstan, which with the 18-in, pumping-engine continue to work well, and all other work at the surface and underground is being carried out as fast as circumstances will permit.

OKEL TOR.—H. Bulford, J. Rodda, July 31: The lode as far as cut into at the 100 fm. level has a satisfactory appearance, being composed of capel, spar, mundic, and copper. Water continues to flow freely from the breast of the cross-cut, which is a good indication, and shows that the main part of the lode is still farther shead. The morth lode in the 90 cast is showing signs of improvement. No. 2 wince sinking below the 80, and 16 fms. east of the 90 end, is still looking exceedingly well. This winze is down about 9 fms., and the lode has produced good quality tinstuff, and 15 tons of arsenical ore per fathorm for the whole distance sunk. The south lode at the 90 is without change. The stopes are improved. Baturday next is our setting day, and a full report shall be sent you next weeks.

ment. No. 2 strings shalls give the 85, and a trees award and an obligation ment. No. 2 strings shall give the string at the 10 string to 1 fms. and the lode has looking digood quality tinstuff, and 15 tons of arsenical ore per fathom for the whole distance sunk. The south lode at the 90 is without change. The stopes are improved. Staturday next is our setting day, and a full report shall be sent you not week it. Lake, —W. Skewis, B. O. 3 second to 3 string the 10 string the string day and the string day and a string day and a string day and the string day a

ince along ground yesters, and sain therefore sample should not so lead ore on Thursday next.

— July 31: There is no change of note here since our last week's report, and etter to you dated 29th inst. We have to-day taken samples of 100 tons lead ore for sale next week.

RUSSELL UNITED.—John Bray, July 31: We have taken down the lode in the bottom of Matthew's shaft sinking below the 97, where it is 2 ft. wide, composed of quarts and capel, intermixed with copper and mundic, but not sufficient to value. At Stephen's engine-shaft we have fixed the new pitwork at the 5, and are now putting in rods, pulley, &c., to carry the new line of rods to sork the lift below the 45, which will be completely to-morrow(Rriday), when we shall commence sinking the shaft on Saturday next.

SINOLAIR.—W. T. Harris, July 25: My report prepared for the last genera meeting gave detailed particulars of all work accomplished, and prospects of anh point in connection therewith. Nevertheless I have pleasure in again referring to them, and expressing an opinion as to ultimate results.—The Vacco Shaft, North and South Lode: In the 60 level south indications are cerainly most encouraging—in fact, the several solid stones of lead found are mpile evidence the level is being driven upon the right course, and is in close roximity of the object for which it was commenced—the intersection of the reat east and west lode, which has yielded such enormous quantities of rich ead in adjoining properties. Both in the back and bottom of the level some nice pecimens of lead are now visible, more particularly in the bottom, and where he lead improves in going deeper. The 50 level north is also an important rial, and should be energetically pushed forward.—Sunpson's Shaft: The lode incovered in the sinking is decidedly one of strength and character, and consining the principal constituencies for increasing productiveness in depth. one splendid lead has been extracted thereform, and now remaining in the earth side to be operated upon when the shaft is some 1

paired up to the 20. Drawing and dressing is being carried on regularly. We intend sampling 25 tons of silver-lead ore on Saturday next for sale on Friday, by 3.

SOUTH DEVON.—William Hooper, July 31: The lode in Martin's shaft, sinking below the 130, is 5 to 6 ft. wide, worth 201. per fm.; there is no particular sange in the appearance of the lode since last reported on. The lode in the 15, west of Martin's shaft, is 4 to 5 ft. wide, producing spar, with stones of undie and copper ore to the value of 121, per fm.; this end is now about 15 fms. at of the shaft, worth for the distance driven about 121, per fm. We consider a shall have to drive 2 to 3 fms. before intersecting the main cross-course, to shall have to drive 2 to 3 fms. before intersecting the main cross-course, to see west of which, in the 110, a good lode was driven through for many fathoms. Hould this be the case in this level (the 120), which we have no reason to doubt the west of which, in the 110, a good lode was driven through for many fathoms. Hould this be the case in this level (the 120), which we have no reason to doubt the west of which, in the 110, a good lode was driven through for many fathoms. Hould this be the case in this level (the 120), which we have no reason to doubt the winze sinking below the sdit level, west of old sump-shaft, is producing san, fluor-spar, mundic, and occasional stones of black and yellow copper ore we have now plenty of water for all purposes, and the dressing machinery is nig kept on as fast as possible.

SOUTH PENSTRUTHAL.—Stephen Davey, July 31: Walton's Engine Shaft: to cape part of the lode, which is being carried down with the shaft, is producing rich stones of tin; Indications are also good for copper, as we are finding assional good patches from the south side, which underlies the main, or per-bearing, part.—Flat-rod Shaft: The lode in the 170 fm. level, east and windle, with good stones of both tin and copper, and the lode is improving as advance in appearance and character.

VEST CARADON.—N. Sichar

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set the his No. 1 his cut, by to so course, ep adit le thom. If he deep is per fathed hast rependent the seach bottom.

middle of next week. The lode in the 15 week is 4 ft. wide, composed of quarts, eagel, mundle, and a little copper ors.

middle of next week. The lode in the 15 week is 4 ft. wide, composed of quarts, eagel, mundle, and a little copper ors.

mundle, and a little copper ors.

The second from I hole, shaft about 3 fms seals way. We cannot expect the control of the lode, and the lower of the lode with the lower of the lode, and the lower of the lode, the loge of the lode standing seals are sealed from the lower of the lode standing seath the log ting ground more productive when the lower of the lode standing seath the log ting ground more productive when the lower of the lode standing seath the log ting ground more productive when the lower of the lode standing seath producing standing and ward and the lower of the lode standing seath in the lower of the lode standing seath lower of the lode search of lower of the lode search of lower of lower of the lode search the lode search of lower of lower of lower of the lode search of lower of lo

spects in the 5c and 40 and in whole ground, giving backs 30 and 70 irms respectively, as likely to be lasting. The mine is improved, and shows signs of still further improving.

WEST PATELEY BRIDGE.—David Williams, July 31: Good progress continues to be made in sinking East Grassington shaft, and every point is pushed the state of the state

Intermixed with copper ore. The lode in the winze sinking below the 48 will yield 4 tons of ore and 3 tons of mundic per fathom. The stope in back of this level will yield 4 tons of ore and 4 tons of mundic per fathom.

WHEAL GRENVILLE.—T. Hodge, July 28: I have been all through the mine to-day, and beg to hand you the following as my report thereon:—The 205 east rise has been communicated with the winze below the level above, which has given good ventilation in this part of the mine. The 190 east end is worth 51, per fathom; ground hard. In the 178 east end the lode is writh 104, per fathom. The 155 produces low price tinstone. The 150 east end is in a wide lode, composed of spar, oxide of iron, peach, &c.; a kindly lode, of the south part of the drivage we have a branch or lode going on with the main vein. When this wears out we expect some improvement. We continue to make good progress in this end. The winze going down the weather a tew fathoms below the 155, is worth about \$2\$, per fathom. The 155 west bas an improved appearance, letting out more water, which we like to see. We have not done much here during the present month. The men are at surface making floors. The rise in the back of the 140 west is worth 94, per fathom. The 150 west end is worth 94, per fathom. The 150 west end is worth 94, per fathom. The 150 on with our work until the main shaft of the engineers are getting on pretty well with the stamming-engine. We cannot get on with our work until the main shaft of the engineers have in the proven. The main shaft of the engineers have about 5 ms. more to drive, and we hope to accomplish this in five weeks. We are also driving the 16 fm. level west of winze in bottom deep adit level, so as to effect communication with the above cross-cut, we have six men in this cross-cut, and have set them a certain contract to cut the lode. We have about 5 fms. more to drive, and we hope to accomplish this in five weeks. We are also driving the 16 fm. level west of winze in bottom deep adit level, so as to effect

Frias May returns \$30,330.4
, , , cost \$21,017.0
Less charged in April 1,494.0= 19,523.0 \$10,807-4 Fms. Ft. In.
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ne engine-snaft under the 80.

ENGINE-STAFF contains a large vein of quartzand schist which in the east end yields small portions of pyrites. There is, however, but little change in the general features since last month with the exception that a promising-looking stone of galena was broken a few days ago from the western ond from what appears at present an isolated string in the lode. Sinking is now regularly progressing.

pears at present an isolated string in the lode. Sinking is now regularly progressing,

80 EAST.—The vein at sight is 6 ft. wide, of grey schist and quartz laced with strings of pyrites charged with pyrites and spots of grey silver. The main leader lying against the footwall is 12 in. in width, which in the centre of the end is an almost solid branch of pyrites.—N.B.: June 19: A decided improvement is apparent in this end, rich mineral having been broken and sent to surface, consisting principally of pyrites and galens largely associated with grey silver, estimated at 25 cwts. per fathom.

80 Wr.st.—This end contains a strong vein of quartz, carbonate of lime, and schist, carrying a little pyrites, but otherwise unproductive. Much water is liberated from the lode.

ROGERS WINDE under the 70 cast, the principal leader continues about 2 ft. in width, but the ore is not quite so strong as last reported.—N.B.: June 19: We are taking down the footwall of this winze, and find a promising lode standing in the south side in the sole. We think that with depth there would be an improvement of ore here also. Present yield estimated at from 20 to 25 cwts. per fathom.

70 Wrst.—The lode in this end is 4 ft. wide, 2 ft. of this consisting of carbonate of lime, quartz, and slate, which in the earlier portion of the month was mixed throughout with strings of galena and blende, valued at 10 cwts, per fm. After fluctuating the appearances have again improved, the main leader being mixed with lead, blende, and pyrites estimated at from 10 to 15 cwts. of export ore per fathorm.

ESPERANZE BLAFT.—The vein is the entire width of the shaft; it is strong

WATSON BROTHERS MINING CIRCULAR.

WATSON BROTHERS. MINEOWNERS, STOCK AND SHARE DEALERS, &C. 1, ST MICHAEL'S ALLEY CORNHILL, LONDON

The sampling at Prince of Wales is 74 tons of copper ore, including 2 tons of precipitate; the latter shows a produce of 47½ per cent. The tin sale for the month is 2½ tons.

In 1853 and 1854 Mr. Hyde Clarke published some papers showing that quicksilver had been found in England, Scotland, and Ireland, and in Mr. Watson's review of 1854, published in the Mining Journal, he called attention to the subject, and to the desirability of making researches for the ores of cinnabar, but nothing seems to have come of it. We cannot answer the question as to percentage and price.

to have come of it. We cannot answer the question as to percentage and price.

This same year, 1854, was described in regard to mines as one of unparalleled depression and of almost unparalleled losses. There was a complete panic in the share market, and most mines suffered, but small speculations most of all. Bullers dropped from 1200.1 to 5751. South Caradon, 4001. to 2901.; West Caradon, 2801. to 1801.; Alfred Consols, 271. to 181.; West Providence, 401. to 14s. Among the smaller fry many from high premiums became utterly worthless in the market. Everyone prophesied then, as they would prophesy in 1884, that mining business was at an end, and things would never improve. Now, let anyone curious in such matters turn to the Mining Journal for December, 1855, and in the review of that year see what an extraordinary change had so soon taken place in metals, in mines, and inshares. We quote from the Annual Review of that year sellows:—"Many circumstances have occurred in 1855 to render it one of the most important years in the annals of mining, for whether we now regard the prosperous state of our home mines, the remunerative prices of metals, the large amount of dividends declared, the great advance in the prices of shares in general, or the buoyancy of business transactions, they form a great contrast to the year 1854, which at this time twelvemonth was described as one of "unparalleled depression, and of almost unparalleled losses."

The cause of this sudden change was an advance in metals, one

The cause of this sudden change was an advance in metals, one or two good discoveries and improvements in mines, and to the weeding of the market that took place the year before.

In 1854 lead was in a very depressed state, but it soon afterwards became more active, and as the smelters were short of stock the price rose in 1855 4t. to 5t. per ton. Copper and tin also advanced. In most shares a great advance took place, and there was general activity and prosperity in the market.

A singular coincidence is also suggested by the reviews in question. The panic in 1854 was mainly brought about by the failure of "gold mining in England and Wales," for which there had been a great rage, on the introduction of Berdan's machine, which found gold in all (doctored) ores. The depression in the present year has been brought about in a great measure by the enormous losses in Indian gold mines, which, from the very first, we have denounced as strongly as we did 30 years ago gold mining in England.

In reading of the state of mining affairs in 1854, as disclosed by the reviews in question, it almost seems as if we were reading of 1884! And as 1855 became as prosperous as 1854 was the other way, let us hope that history will again repeat itself, better times set in, and make 1885 another 1855, so far as mining prosperity is concerned.

Pedn-an-drea means " top of the hill" or town.

At the New Caradon the No. 1 lode is worth 1 ton of yellow copper ore per fathom in the winze below the 50, and is a strong masterly

At East Blue Hills, driving both east and west from the shaft has just been commenced. The lode going west is worth 9l. to 10l. per fathom; east, 10l. to 12l. per fathom, The appearance of the lode, the agents write, is "altogether of the most encouraging kind." At present the ends are hardly clear of the shaft, and any day may show a great improvement.

Everything is paid up monthly at East Blue Hills, even the royalties, so that there is not and never has been a debt on the

Mr. Courtney said in the House of Commons last evening that the Commissioners of Woods and Forests were "especially anxious to promote mining," and that "Crown leases are not more onerous than those of other landowners." The Woods and Forests must have been gammoning Mr. Courtney; and we will hunt up the old files of the Mining Journal and tell him how they once served us. In the meantime can Mr. Courtney tell us of any other mine-owners granting leases and inserting a clause that the lessees (who may have spent or may have to spend thousands in developing the mine) shall give them, in addition to royalties and dead rents—one guarter part of any profit that may be made on the sale of the mine? And did he ever hear of a case where parties who had spent a large sum upon a mine, and being invited to take a new lease, agreed to do so, but finding this objectionable clause inserted (it was not in the old), and refusing to assent to it, had their mine and machinery seized, sold, and the proceeds retained? He shall hear the whole case shortly. We have tried hard for years to shame the Woods and Forests, and nothing would induce us to take Mr. Courtney said in the Hou shame the Woods and Forests, and nothing would induce us to take a lease under them

After fluctuating the appearances have again improved, the main leader being mixed with lead, blende, and pyrites estimated at from 10 to 15 cwts. of export ore per fathom.

ESPERANZA BEATT.—The vein is the entire width of the shalt; it is strong

TO THE METAL TRADE.

FOR COPPER, TIN LEAD, &c., apply to-SWORN METAL BROKERS,

ALLHALLOWS CHAMBERS, LOMBARD STREET, LONDON.
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The Mining Market: Brices of Metals, Ores, &c.

METAL MARKET-London, Aug. 1, 1884.

IRON. & s. d. & s. d.	TIN. £ s. d. £ s.
Pig, GMB, f.o.b., Clyde 2 1 7	English, ingot, f.o.b 85 10 0
. Scotch, all No. 1 2 2 4	,, bars ,, 86 10 0
Bars Welsh, f.o.b. Wales 4 17 6	refined 37 10 0
in London. 5 7 6	Australian 83 7 6
, Stafford., ,, 6 76	Banca nom
., in Tyne or Tees 5 0 0	Straits 82 2 6
Swedish, London 9 0 0- 9 10 0	
Rulls, Welsh, at works 4 17 6	Tough cake and ingot. 58 0 0- 58 10
Sheets, Staff., in London 7 5 J- 7 10 0	
Plates, ship, in London . 7 10 0- 8 0 0	Sheets and sheathing. 63 0 0- 67 0
Hoops, Staff., 6 7 6- 6 10 0	Flat Bottoms 66 0 0- 70 0
Nail rods, Staff., in Lon. 6 76	Wallaroo 60 10 0- 61 10
STEKL.	Burra, or P.C.C 60 10 0
English spring12 0 0-18 0 0	Other brands nom. 58 10 0- 60 0
cast30 0 0-45 0 0	Chili bars, g.o.b 55 0 0
Swedish, keg13 0 0-14 0 0	
fag. ham13 10 0-14 10 0	Flasks, 75 lbs., war 5 6 3
Rails at works 4 12 6- 5 0 0	PHOSPHOR BRONZE.
., Light, at works 5 12 6- 6 12 6	Alloys I. and II £112 0
LEAD.	V 118 0
English pig, common10 15 0-11 0 0	VI. and VII 133 0
. L.B10 17 6-11 2 6	XI., Duro A, Duro B 110 0
W.B11 2 6-11 5 0	BRASS.
sheet and bar11 5 0-11 10 0	Wire 61/4d
pipe11 15 0	Tubes 8½
red13 5 0	Sheets 61/4-71/4d.
white14 10 0-18 10 0	Yel, met. sheath. & sheets 5%-6
patent shot13 10 0	TIN-PLATES.* per box
Spanish	Charcoal, 1st quality 1 10-1 2
NICKEL.	2nd quality 0 18 0- 1 0
Metal per owt	Coke, 1st quality 0 16 0- 0 16 (
Ore 10 percent. per ton	2nd quality 0 15 0- 0 16 (
SPELTER.	Black per ton 15 10 0
Silesian ordinary brands14 2 6-14 5 0	
special brands, 14 7 6-14 10 0	at Liverpool
English Swanses15 10 0	Black Taggers, 450 of 2 on a a
Sheet zinc17 15 0-17 17 6	14 × 10
	loss for ordinary: 10s per ton loss for

At the works, is. to is. 6d. per box less for ordinary; 10s. per ton less for nada; IX 6s. per box more than IC quoted above, and add 6s, for each X. rne-plates 2s. per box below tin-plates of similar brands.

REMARKS.—At the early part of the week our markets showed an improving tendency, at least so far as the principal metals are concerned, but this improvement has not been followed up in all cases, and there is no particular new feature to influence the future of our and there is no particular new feature to influence the future of our markets in either direction; but at the same time if the feeling of hesitation, nervousness, and anxiety, is not speedily removed, there is but little reason to believe that prices will do otherwise than continue to crumble away. There is anxiety as to the future, not only as regards the demand, but more particularly as regards the supply. The former is expected to continue to be curtailed by consumers, and shippers purchasing only enough for their pressing requirements, while the latter is thought not unlikely to be increased, both of which events would have a very injurious effect upon the trade, as they would tend to augment stocks, and thus further depress the already overburdened markets. The cheapness of money at the present time may, perhaps, help to ward off any serious difficulties, and possibly may even thus late be the means of ultimately reviving trade, but its cheapness proves a very deplorable state of business. It shows that money is not being freely used for the purpose of developing the demands, for encouraging enterprise, and for stimulating operators to effect purchases. When money is freely being offered at it and even if percent, it is a convincing evidence that trade is bad and in a most feeble condition.

Seculators may every now and them he attracted to any one metal by the

veigning the demands, for encouraging enterprise, and for samulating operators to effect purchases. When money is freely being offered at I and even \(\frac{1}{2} \) per cent., it is a convincing evidence that trade is bad and in a most feeble condition.

Speculators may every now and then be attracted to any one metal by the cheapness of prices or some other cause, and thus create in that metal a temporary advance, and thereby produce a stiffening influence over prices for other metals, but such an improvement only lasts for a short time when it is not followed up by a restoration in the genuine demand. This is the reason why the cheap money now produces such a little effect upon the speculative demand. Operators look at the cause of that cheapness rather than at the facilities of finance which are thereby afforded, and the same may be said of the low prices and the reasons why they do not bear their usual influence in increasing the demand. Confidence must be restored, and some good reason given for anticipating a speedy revival in regular trade ere the low prices and cheap money will bear much effect in promoting business, but in the meantime there can be little danger in purchasing at current rates, as with one exception prices for all metals are decidedly favourable, and there is every facility afforded to holders for financing their stocks. The Revenue Returns again give another clear proof of the indifferent state of trade, and the reduction in the revenue of customs, excise, stamps, telegraph service, &c., shows at least that business is comparatively bad, the comparison being with last year, a season which it will be remembered was by no means a flourishing one for trade. The statistics for some metals saused for the month of July are fairly favourable, but there is nothing in the except for copper which calls for any very special comment, and the little spurt in some metals which has taken place during the week must continue for some little time longer ore it can afford grounds for believing in its p fore, unlikely to continue purchasing at the improved prices, especially as there is no reason to believe, or evidence to show, that prices will be sustained, and that continued support will be given to the market. To-day the market has been very spirited, owing to the announcement of excellent deliveries for last month, light charters for the last half of July—1500 tons from Chill—and generally improved statistics. The total visible stock has been reduced to about 43,000 tons. The imports of Chill produce during the last half of last month were 2357 tons, and the deliveries 2185 tons; the imports of other kinds of copper were 727 tons, and the deliveries 2185 tons; the imports of Chill produce in first and second hands in Liverpool and Swansea yesterday was 24,328 tons, against 24,218 tons on July 15.

IRON.—With the exception of Scotch pigs there has continued a very dull, inanimate, and lifeless market; prices have kept steady, and the changes in the market have been immaterial. Enquiries for all classes of manufactured are most limited, and everything

and the changes in the market have been immaterial. Enquiries for all classes of manufactured are most limited, and everything seems to fail in inducing consumers and shippers to effect their purchasers beyond the most hand-to-month quantities. With reference to Scotch pigs, there has been a more active demand, and prices during the early part of the week assumed a stiffening tendency. Last week we drew attention to the advisability of reducing the number of furnaces in blast, and it is therefore satisfactory to see by this week's returns that two have been damped down. Reduced production is the only way to ensure better prices. The demand is not sufficiently good to warrant improved rates, and, therefore, if remunerative prices are to be realised, it can only be done by curtailing the output. Of course the damping down of only two furnaces will not make any very material difference to the supply, nor cause any particular reside to the market, but it is a step in the right direction, an example which other makers would doubties do well to follow, and aiready a little better tone has been imparted to the market.

Low prices will not encourage operators into the market unless there is some fair reason to anticipate that prices may shortly advance; but when there is a prospect of supplies being kept under requirements, and the heavy stocks more or less reduced, then not only is a spirit of speculation implanted in the market, the tone made more cheerful, and the feeling characterised with greater animation, but the regular demand is also increased, as consumers and shippers not infrequently fully satisfy their wants, and abandon the policy of merely giving out orders to meet their most urgent and pressing daily requirements. There has been a steady demand for makers' iron, and prices have been tolerably firm. The Glasgow warrant market, after having closed steadily last week, opened on Monday with a strong tone, and greater disposition to buy, the price steadily advancing from 47s. 3/d. to 48s. 5/4/d. on the following day. On Wednesday, although there was a fair business transacted, the price was scarcely so strong, and the price was strong but steady at 41s. 7d. to 41s. 7/4/d., and the closing, and the price was strong but steady at 41s. 7d. to 41s. 7/5/d., and the closing figure this afternon is 41s. 7d. per ton. The shipments last week were 10/3/15 tons, against 14,058 tons for the same week of last year, being a decrease of 3743 tons, and which makes the total shipments for the whole of this year as 325,154 tons, against 367,481 tons for the same time of last year, and 365,515 tons for the similar period of 1832. There are two furnaces less in blast now than a week ago, the total being 94, against 98. and the public stock has been reduced by 430 tons, and now amounts to 587,606 tons, against 585,036 tons last week.

The imports of pig-iron into Grangemouth last week were 3739 tons, against 4210 tons for the corresponding week of last year, being a decrease of 420 tons, which makes a total decrease for the whole of this year, compared with last. of 4330 tons. The Middlesborough market is reported very dull, business be

tinue very small, and prices generally are strong, but show no improvement. TIN.—This market has remained tolerably steady, and a fair business has been transacted, principally about 82l. 15s. per ton for cash parcels of foreign. The statistics for the month of July must be pronounced favourable, the deliveries having been very satisfactory, but, notwithstanding this, it does not seem likely that more than a temporary advance, and perhaps not that will be effected. There is much to be said in favour of the market, must be to implant confidence and encourage buying, but yet there is no disposition to follow up the market. If prices slightly advance—be that advance evers of trifling—there immediately follows a desire to press sales, and take whatever profits may be offering. This disposition to push sales is carried so far, that not only does the market loss all that it had previously gained, but prices invariably recede to still lower figures.

This has been a notable characteristic for some time past, as it is evidenced by the heavy fall in prices during the last three months, and white such a feeling continues to exist thereis little hope of the market being permanently enhanced. The reduced price, the diminished stocks, the light supplies, and heavy deliveries have all failed to establish higher rates, and to engender confidence to holders, and we must wait until the prevailing feeling of hesitation has been removed ere we can now expect these weighty influences to bear their usual and important effect upon the market. At the Banca sale in Holland yesterday the average price realised was 51½, equal to 83, 10s., a figure not so good as was expected to be obtained, and which had, perhaps, a temporary adverse effect upon our market, but prices have quickly picked up what they lost, and to-day there has been a very strong and active demand with rising prices.

SPELTER is quict, with but little demand, and the quotation to-day is 14l. 2s. 6d. to 14l. 5s. for ordinary brands, and 14l. 7s. 6d. to 14l. 10s. for speci

10s. for specials.

146. 108. for specials.

LEAD is very firm, and as high as 10l. 15s. has been paid for Spanish in warehouse. We quote Spanish at 10l. 12s. 6d. to 10l. 15s., and English at 10l. 15s. to 11l. per ton.

STREL.—The demand for rails is fairly good and prices are for the

most part steady.

Tin-Plates.—A fair amount of business is being transacted, and there is no quotable alteration in prices.

QUICKSILVER is without change, at 54. 6s. 3d.

The Mining Share Market has shown signs of greater activity, though the dealers have been chiefly engaged in the settlement of the usual fortnightly account. One or two mines have been in demand at advanced prices, though, generally speaking, quotations are nominal. The mines dealt in include Dolcoath, East Pool, Tincroft, East Blue Hills, West Kitty, Bratsberg, Prince of Wales, Oscar, Wheal Crebor, Polberro, and others.

TIN is firmer; the total stocks to-day are 2000 tons less than or TIN is firmer; the total stocks to-day are 2000 tons less than on corresponding day last year, and there is an impression abroad that it is likely to advance in price. The standard for ore has not changed it is likely to advance in price. The standard for ore has not changed since June 11. Carn Breas have advanced to 4, 44. Cook's Kitchen, 9 to 10. Dolcoath, 73 to 75; a dividend of 11. 10s. is expected at the meeting. East Pool, 43 to 44. East Blue Hills have been in good demand, and leave off \(\frac{1}{2}\) to \(\frac{2}{3}\); driving has been commenced on a productive lode below the adit. Killifreth, 5-16ths to 7-16ths; Mounts Bay, 2s. to 3s.; South Condurrow, 8\(\frac{2}{3}\) to 5\(\frac{1}{2}\); the mine has improved in the bottom level. Tresavean, 4s. 6d. to 5s. 6d.; West Basset, 3 to 3\(\frac{1}{2}\); West Frances, 5 to 5\(\frac{1}{2}\); Wheal Agar, 16\(\frac{1}{2}\); to \(\frac{1}{2}\); Wheal Basset, 3\(\frac{1}{2}\) to 4; Wheal Grenville, 6 to 6\(\frac{1}{2}\); Wheal Kitty (8t. Agnes), \(\frac{1}{2}\) to \(\frac{1}{2}\); West Polbreen, \(\frac{1}{2}\) to \(\frac{1}{2}\); Phemix. 2 to 2\(\frac{1}{2}\); South Kitty, 1\(\frac{1}{2}\); to \(\frac{1}{2}\); West Polbreen, \(\frac{1}{2}\) to \(\frac{1}{2}\); Phemix. 2 to 2\(\frac{1}{2}\); South Kitty, 1\(\frac{1}{2}\); to \(\frac{1}{2}\); West Polbreen, \(\frac{1}{2}\) to \(\frac{1}{2}\); Phemix. 2 to 2\(\frac{1}{2}\); South Kitty, 1\(\frac{1}{2}\); to \(\frac{1}{2}\); to the mine has improved in the accounts showed a profit on four months' working of 3335\(\frac{1}\), and a dividend of 12s. per share (3600\(\frac{1}{2}\)). was detained. The tin sold realised 6255\(\frac{1}\). The tin sold at an average of about 50\(\frac{1}{2}\), per ton, and showed a profit of 26\(\frac{1}{2}\). per ton, and showed a profit of 26\(\frac{1}{2}\) per ton, the 3\(\frac{1}{2}\); of owest of cross-cut, 8\(\frac{1}{2}\); end to the 3\(\frac{1}{2}\); to \(\frac{1}{2}\); to \(\frac{1}{2}\); to \(\frac{1}{2}\); to \(\frac{1}{2}\); to \(\frac{1}{2}\). The accounts here showed a balan corresponding day last year, and there is an impression abroad that it is likely to advance in price. The standard for ore has not changed

improving. South Caradon, ½ to ½.

LEAD is firmer, but there is very little doing in lead mines, and prices are merely nominal. Vans are quoted 1 to 1½; Great Laxey, 8½ to 9½. Roman "Gravels have advanced to 2½ to 3. Leadhills have risen to 1½ to 1½. Old Shepherds, ½ to ½; East Rose, ½ to ½. South Darren, ½ to ½; the lode in the 130 west is worth 2½ tons silver-lead ore per fathom. The sampling next week will be 25 tons. Weardle, 1½ to 1½.

ore per fathom. The sampling next week will be 25 tons. Weardale, 1\frac{1}{4}\times to 1\frac{1}{4}\times.

Foreign Mines.—Shares of this class have enjoyed their full proportion of the general improvement, and prices are upon the whole firmer. Akankoos are quoted \frac{1}{2}\times to \frac{2}{3}\times Alamillos, 1\frac{2}{3}\times to 1\frac{1}{4}\times \frac{1}{4}\times to 1\frac{1}{4}\times \frac{1}{4}\times to 1\frac{1}{4}\times \frac{1}{4}\times to 1\frac{1}{2}\times \frac{1}{4}\times to 1\frac{1}{2}\times \frac{1}{4}\times to 1\frac{1}{4}\times \frac{1}{4}\times to 1\frac{1}{4}\times \frac{1}{4}\times \frac{1}{ Sam Works, leaving a net balance of 39751. 15s. 3d. A dividend of 1s, per share was paid on December last, and another of 2s. per share since the closing of the accounts. Good and profitable results are anticipated for the future. Bratsberg, 1\frac{3}{2} to 1\frac{1}{2}. California, \frac{1}{2} to \frac{3}{2}; the report of the directors, prepared for the meeting on Thursday next, states that during the past financial year liabilities have been cleared off amounting to about 25,5001., which includes the mortigage loan, the balance due to the Hidden Treasure vendors, and half the amount due to the California vendors. The whole indebted-

ness of the company on May 31 last was thus reduced to about 58601, while the assets show in cash 79411, stores 14271, and unissued shares at par, 22791, making a total of 11,6471. The payment of the loans relieves the company from 7801 per annum for interest. A reduction of 1001 a-year has been effected in the office expenses, and 3501, per annum in consulting engineer's fees, making a total saving for the future of 12301 per annum. The balance of 79411 in the bank and in hand on May 31, 1884, allows of a further dividend of 1s. per share being paid, and leaves a cash balance of 15551 to be carried forward. The dividend, if sanctioned by the meeting, will be paid on Aug. 9.

Cape Copper, 42 to 44; Chile Gold, ½ to ½; Chontales, ½ to ½; Colorado United, ½ to 1½; Colombian Hydraulic, ½ to ½; Copiapo, 2½ to 2½; Fortuna, 2½ to 3½; Frontino and Bolivia, ½ to ½; Copiapo, ½ to 3-16ths; very favourable news has been received from Captain Argall. He states that he has struck gold in No. 2 rise in the No. 8 level, Scotty's lode, and that he expects to open up some good stoping ground from this point. The trials the new manager was making are progressing satisfactorily, and are bearing out the anticipations he set forth in the report of his inspection issued to the shareholders some little time since.

La Plata, 3-16ths to 6-16ths. Lingues 22 to 31. Mason and Barry

he set forth in the report of his inspection issued to the shareholders some little time since.

La Plata, 3-16ths to 5-16ths; Linares, 2\frac{3}{4} to 3\frac{1}{4}. Mason and Barry have improved to 10\frac{3}{6}, 10\frac{1}{6}, and considerable business is doing in them. New Emma, \frac{1}{4} to \frac{3}{6}; New Potosi, \frac{3}{6} to \frac{3}{6}; Nouveau Monde, 1-16th to \frac{1}{6}; Organos, \frac{3}{6} to 11-16ths; Orita, 15-16ths to 1 1-16th; Panulcillo, 4\frac{3}{6} to 4\frac{3}{6}; Quebrada Railway, 4 to 4\frac{1}{4}; Richmond, 3\frac{3}{6} to 3\frac{3}{6}. Rio Tinto, 15\frac{1}{6} to 16, and a good business doing; ditto bonds, 9\text{9} to 101. Ruby and Dunderberg, \frac{3}{6} to \frac{1}{6}; Schwab's Gully, 5\frac{3}{6} to 6\frac{1}{4} (ex div.). South Australian Copper Mines Corporation, \frac{1}{6} to 3-16ths the latest advices from the Blinman Mine are considered satisfactory, the mine was looking well, and the stopes were yielding from 1\frac{1}{2} to 5 tons of 25 per cent. ore per fathom, and the profit for the month of June was expected to equal that for May—200l. An abundance of rain had fallen, more than had been known for some years, filling the springs, and setting at rest an adequate supply of water for dressing purposes. St. John del Rey, 65 to 75; business was done to-day at 70, but the price afterwards declined to 6\frac{9}{2}. Tharsis, \frac{5}{2} to 6\frac{1}{6}; Tolima, A, \frac{5}{2} to 6\frac{1}{6} (ex div.). United Mexican, 3 to 3\frac{1}{2}; the telegram received this week says:—"The excess of returns over outlay in the mine of San Cayetano de la Ovejera for the week ended July 26 is \$6600, and on El Diamante \$50. Will send \$15,000."

CROWN MINERAL LEASES .- IMPORTANT ANNOUNCEMENT .- Those CROWN MINERAL LEASES.—IMPORTANT ANNOUNCEMENT.—Those who have had the honour of holding mineral leases from Her Majesty's Commissioners of Woods and Forests, will hear with pleasure the important announcement made by Mr. Courtney in the House of Commons on Thursday night, that the clause known as the one-fourth consideration clause had been abandoned. This was elicited by a question asked by Mr. John Rolls, M.P. for the county of Monmouth, well-known for his exertions in the interests of mining. The further statement of Mr. COURTNEY will, however, be information to the holders of leases under the Woods and Forests—"I have no reason to think that Crown mining leases are more onerous in respect of royalty or other conditions than those given by other

in respect of royalty or other conditions than those given by other Welsh landowners. I see no evidence to show that the terms required by the Crown injure mining enterprise; on the contrary, the Commissioners of Woods are especially anxious to develope their

Commissioners of Woods are especially anxious to develope their mining properties in every proper manner."

Anyone who differs from this view would do well to state the circumstances, as Mr. Rolls has stated his intention of pursuing the matter further. Subjoined is the full question and answer.

Mr. Rolls asked the Secretary to the Treasury whether holders of mineral leases under the Commissioners of Woods and Forests, more especially in the counties of Cardigan and Merioneth, were required to pay higher rents and royalties than those asked by the adjoining landowners; whether clauses were inserted in the leases from the Commissioners of Woods and Forests not known of in any from the Commissioners of Woods and Forests not known of in any private mineral leases; whether in some cases the lessees had been threatened with forfeiture of their leases for not working the mines, although their doing so, in the face of the present price of minerals, would entail a serious loss, and although all rents had been paid-up; whether he would grant, as an unopposed return, a statement of the number of acres belonging to the Crown in the counties of Cardigan and Merioneth, and how many acres of the same were at present let under mineral leases; and whether he was aware that the conditions imposed by the Commissioners of Woods and Forests were such as to practically prohibit searches for minerals in these two counties.

Mr. COURTNEY: I have no reason to think that Crown mining leases are more onerous in respect of royalty or other conditions than

Mr. COURTNEY: I have no reason to think that Crown mining leases are more onerous in respect of royalty or other conditions than those given by other Welsh land owners. The only special provision in the former, known as "the one-fourth clause," is now no longer inserted. In no recent case has forfeiture been threatened because the mines were not worked. I will obtain for the hon. member the acreages for which he asks, but I do not think there would be any use in laying them before Parliament. I have seen no evidence to show that the terms required by the Crown injure mining enterprise on the contrary, the Commissioners of Woods are especially anxious to develope their mining properties in every proper manner. to develope their mining properties in every proper manner

The MARKET for MINE SHARES on the Stock Exchange has been decidedly better, the tin statistics are favourable, and the prices of both tin and copper are well maintained, whilst the improvement in lead continues. These facts have created an altogether better feeling, and it is generally considered that if the price of metals offered any encouragement capitalists would be quite ready to give substantial evidence of their willingness to support home mining enterprise, provided undertakings be brought forward in such a manner that the system of overloading capital accounts shall be superseded, and the investors' money really applied to the working of the mines. The numerous failures of new companies during the past two years are generally attributed to the insane cupidity of the middlemes who have acted as vendors, but as the public have now become alive to the evil, and as promoters are beginning to recognise the fact The MARKET for MINE SHARES on the Stock Exchange has been to the evil, and as promoters are beginning to recognise the fact that 50,000l. worth of saleable shares are better than 400,000l. worth which can only be sold at 4 or 5 per cent. of their nominal value, it is hoped that with a more equitable system there will be a return of enterprise and prosperity. The market fluctuated much to-day, but closed fairly firm.

Our usual telegram from Cornwall this evening says :- During the past week the Cornish Mine Share Market has been more buoyant, with a decidedly better tone, shares generally are firmer, and there has been more inclination for business. Both Dolcoath and East Pools are strong, and close firm, the returns keeping up very favourably. Tincroft continues in request, shares have been done at 8½, and are scarce. Agars are also firmer, and there has been rather more enquiry for South Frances and Carn Brea. West Kitty continuis well held. At the meeting on Tuesday a profit of 3791½ on for months' working was reported. A dividend of 12s. per share waldeclared. The prospects of the mine are very encouraging. At New months' working was reported. A dividend of 12s, per share was declared. The prospects of the mine are very encouraging. At Nes Kitty and at Trevaunace United calls of 2s, per share were made. At Redruth Ticketing yesterday 893 tons of copper ores realized 265t., the standard remaining unaltered. The quantities comprised 532 tons from Mellanear, realising 1076t., and 210 tons from Levast producing 927t. Wheal Owles is reported to be looking much better. The Neath Harbour Smelting and Rolling Works, to the formation of which reference was made in last week's Mining Journal, has issued its prospectus, which will be found in another columns.

tion of which reference was made in last week's Mining Journal, has issued its prospectus, which will be found in another column. The object of the enterprise is to purchase and work the celebrated Crown Copper Smelting and Spelter Works, and the concession of the famous Gorno Calamine Mines, consisting of 398 hectares (abos 900 English acres), situated in the province of Bergamo, Kingdog of Italy, and estimated to contain (without calculating new seams) 420,000 test A further concession has been obtained giving the right to explore over around 100,000 deferred shares. Issue of 100,000, in 20,000 preference and 10,000 deferred shares. Issue of 100,000, in 20,000 preference shares of 54, each, bearing interest at the rate of 12 per cent, per annus Until the preference shares are called up in full the deferred shares, even whether are profits to justify it, will only receive dividends on a sum equal to the amount called up for the time being upon the preference shares. When dividends have been paid for five consocutive years on the preference shares at the rate of 12 per cent. Per annum, and when the dividends upon the deterred shares.

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have also been paid as above for a like amount and period, the distinction between the two classes of shares as preference and deferred will cease, and the
dividends will be thenceforth struck on both at the same rate per cent. The
board of directors is formed of well known men of business, and the properties
The London and Middlessx Land Company, with a capital of
50,000l. in shares of 5l' each, has been formed to purchase estates,
chiefly in the Metropolis, with a view to resell them in small plots,
or create ground-rents on them after in proposement and development appear to be such as with care and energy may be made very unremunerative.

The London and Middlesex Land Company, with a capital of \$5,000\$\text{. in shares of 5\$\text{. in each}\$, with a view to resell them in small plots, or create ground-rents on them after improvement and development. The prospectus states that freehold ground rents have been for many years in steadily increasing demand, not only on the part of the investing public, but by trustees, bankers, and insurance companies, as the scutty they afford renders them available for trust purposes. That buildingian the neighbournood of London must steadily increase in value is a natural sea of Commons, Mr. A. J. Balfour, M.P., said:—"London increased by \$5,000 souls a year, so that every \$12\$ months a vast town as big as Northampton was added to the Metropolis." As an instance of the success which has attended the principal land companies, and the good return to the shareholders, one similar enterprise is mentioned which paid \$12\$ per cent. dividend in 1833, and half-adozen others which returned 10 per cent. dividend in 1833, and half-adozen others which returned 10 per cent. dividend in 1833, and half-adozen others which returned 10 per cent. dividend, one of the latter giving also 10 per cent. bonus. The first land acquired by the company overlook well Rill Stations of the Alexandra 2 alexandra 2 alexandra 2 alexandra 3 alexandra 3 alexandra 3 alexandra 3 alexandra 3 alexandra 4 alexandra 3 alexandra 4 alexandr

at Watson's, in the 112, the lode is producing 2 tons of mineral per fathom.

Devon Great United, \(\frac{1}{2} \) to \(\frac{1}{4} \); the 120 fm. level, east and west of Willesford's shaft, is yielding good quality of copper and mundic ores, as well as the 60, west of Watson's shaft. An increased sampling of copper ores will be made.

Dolcoath shares have been in better demand, and advanced to 74 to 74\frac{1}{4}; the quarterly dividend of about 30s. per share will be paid on Aug. 18.

Drakewalls United, 3-16ths to \(\frac{1}{4} \); as will be seen in another column the annual general meeting of shareholders was held on Thursday last, and was well attended. The policy to be pursued as proposed by the directors in the development of the property was unanimously approved of. It would appear that a vigorous prosecution in depth will be carried out forthwith, in order to get under the long ran of rich tin ground gone down in the bottom levels, and it is important to point out that the deeper they sink the richer will become the tin ground, approaching the junction of granite and killas formation, for it is in a similar formation to this, where the profitable tin-producing mines have been, and are still unfolding their great wealth in the Dolcoath, Camborne, and Redruth districts. This was pointed out at the meeting of shareholders by Mr. Peter Watson, the London manager, and it must be a satisfaction to the shareholders generally to find that there was such a harmonious and unanimous feeling amongst those present at the meeting with respect to the future of this property.

East Pool shares advanced from 42 to 43, 44. A quarterly divi-

amongst those present at the meeting with respect to the factor of this property.

East Pool shares advanced from 42 to 43, 44. A quarterly dividend of 20s. per share is expected at the meeting on Aug. 11.

Kit Hill, \$t\$ to \$\frac{1}{2}\$; favourable progress is being made in driving the great tunnel level, 16 tt. having been driven during the past week. The north engine-shaft is now being sunk below the 100, and in the 100 west the agent reports the lode is 5 ft. wide, and yielding tin ores, as well as the 88 west.

Lead Hills have been in active demand all the week, and have advanced to 1\$\frac{1}{2}\$, owing, it is said, to the fact that the bottom

Lead Hills have been in active demand all the week, and have advanced to 1½, owing, it is said, to the fact that the bottom levels, as well as the shallower levels, are opening out valuable ore ground, and some further important discoveries are shortly expected. This, with the improved price of lead and the rumour that a profit will be shown.

Roman Gravels, 2½ to 3½; and said to be in demand, owing to the rise in the price of lead. A further sampling of 100 tons of lead ore has been made this week, and the agent reports that the values of the ore-producing points are equal to those at any time during the past 12 months, several of them being worth 6 to 7 tons of ore per fathom. South Devon United, ½ to ½; the lode in Martin's shaft, sinking below the 120 fathom level, is worth 20L per fathom, and in this level driving west, about 15 fathoms distant, is worth 12L per fm. An increased quantity of water is now being obtained for ore-dressing purposes.

South Wheal Frances shares advanced to 8½, 8¾, and in good demand, owing to the improvements which are now taking place at the mines, and the improving price of tin.

West Wheal Seton shares, which have been selling at very low prices for some time, are said to have become in demand at 4½ to 5, as the mine is reported to be improving.

In Lead Mine Shares much more business is reported, and as the metal is fully 10s. a ton better a very encouraging feeling exists with regard to the future. A correspondent writes:—The advance in the price of metals, especially in lead, tin, and copper, which have at last made a start from the great depression which has characterised them during the last two or three years, must be highly cheering to shareholders in mines containing these minerals, as a

cheering to shareholders in mines containing these minerals, as a gradual advance is now expected by those well qualified to judge in home mining pursuits and the metal market.

Ruby and Dunderberg, \(\frac{1}{2} \) to \(\frac{3}{2} \); the weekly report is again chiefly interesting as regards the work being carried on at the Lord Bryon mine. The ore in No. 2 cave is developing fairly, and at No. 1 cave the preliminary work will soon now be finished, enabling them to Commence cleaning out the bettom, where a good body of over will commence cleaning out the bottom, where a good body of ore will probably be met with. There is still a difficulty about getting tributers to work; but some more men had been put on during the

week.

The Antioquia (Frontino) Company's statement of profit and loss for May shows:—The attle and sand crushed produced 70 ozs. gold, the estimated value of which, including exchange, was 1981. 3s.; whilst the cost at the mines, at Medellin, and in London, was 2851. 7s.; leaving an estimated loss of 871. 4s., in addition to 3001. spent on capital account.

The Frontino and Bollviar statement of profit and loss for May shows that 2632 tang (of 90 owts) from gaparal mines produced that 2632 tang (of 90 owts) from gaparal mines produced.

The Frontino and Bollviar statement of profit and loss for May shows that 2632 tons (of 20 cwts.) from general mines produced (average 15 dwts. per ton), 2033 ozs.; gold bought, 115 ozs. = 2148 ozs. The estimated value of the gold, including exchange, was 6108%. 6s.; cost of the mines at Medelin and in London, 5107%, 9s.;

monthly allowance for freight, commission on gold sales, and sundry fluctuating outlays not immediately ascertainable, estimated at 2504.; paid for gold bought of tributers, 2274. Ss. 5d. = 5584. 14s. 5d., leaving an estimated profit of 5234. 11s. 7d. Mr. Franklin White reports: "The water supply was good and the mineral crushed was on the whole of better quality. The Tigrito, Rosario, and Cordoba mines gave good produce, Silenoio, San Joaquin, and Palmichals improved, but Oecilia and Salada were not good. The cost rose as I had expected. The extra cost department was high, due to cross-cuts in Silenoio and Cordoba, where good work was done, and in Falmichala, where unfortunately, the ground was very hard. There was a considerable increase in the laboratory department, where a new furnace is being put up with the intention of smelting pyrites. The rains have been heavy latterly, and the ditch has suffered somewhat, but not to an extent equal to that of last year. The heavy rains have ceased (by the 17th), so I hope that we may have a steady supply of water, which will assists us greatly in getting returns."

The London and South African Exploration Company have advice of remittances amounting to 71001. for the last four weeks, making with the 28,0701. previously advised a total of 35,1701. for 32 weeks.

2 weeks. The Town and Country Bank (of Adelaide, South Australia) have pened a branch in London, under the management of Mr. Henry

D. Cook.

The Railway Share Trust Company have received telegraphic information from New York that "Outline plans for re-organisation of the Wabash, St. Louis and Pacific Railroad were mailed on July 30."

July 30."

The interest warrants for the half-year ending July 31, on the Six per Cent. B, or Preference shares, of the Railway Share Trust Company (Limited) have been posted.

The Waterloo Mills Company, Hull, directors have declared a dividend for the past half-year at the rate of 15 per cent. per annum, passing 2500l. to reserve, and carrying forward 513l. 3s. 5d.

The Merchant Banking Company, of London, directors at a board meeting on Thursday declared an interim dividend at the rate of 6 per cent. per annum for the half-year ended June 30, payable on Sept. 1, and out of the profits of the half-year have made provision for an exceptional loss incurred during that period.

OSCAR GOLD MINE.—The following letter dated July 25 has been received from Capt. Daw, the managing director in Norway, and will, no doubt, be read with interest by shareholders:—I have this day been over all the lodes granted to us, and I am pleased to inform you our prospects look very satisfactory indeed. In washing samples every day gold is found in nearly every one. A sample I saw his morning washed from Hanson's showed splendid gold. This lode with many others when the property was sold to the company was not known. All the gold that we have got broken since you were here is from other lodes, not from Oscar shaft. There has not been anything done towards sinking yet. It will take 14 days or three weeks before sinking will be commenced. In my son's report of last week the produce given of the different samples some were high and some were low. I beg to inform you these samples were all taken very near the surface; in fact, some were from the surface, and to-day when I inspected the different places I was surprised at the results. It certainly appears now we shall have a great mine here. Respecting the machinery the drawing engine will be ready in 14 days. The large engine boileris fixed in its place, and the masons are busily engaged in building the flues and brickwork around it. This I expect will be completed in about 10 days. There is a lot of work done towards the ttamps and floors; in fact, I did not expect to see things in so forward a state. I wish you had come with me; I feel sure you would have been pleased.

BRATSBERG COPPER MINES.—Mr. Albert Daw writes under date Inly 29. ""I have the pleasure to inform you that two peasents." OSCAR GOLD MINE.—The following letter dated July 25 has been

I feel sure you would have been pleased.

BRATSBERG COPPER MINES.—Mr. Albert Daw writes under date July 22:—"I have the pleasure to inform you that two peasants living near Gulnes have written here to say they have discovered the old level on the mine said to have been hidden away by the old German miners within the period 1780—1790. They state in their letter that they have worked a couple of days to clear away the rubbish, and have come down on a wooden roof covered with clay. According to report this level was the richest part of the Gulnas Mine. I have requested them to let me know on what part of themie it is situated, and on receipt of their reply will let you know what we think of it. Murchison's engine will be started in a few days, the skip-road being nearly ready. The parts of the steamer are at last sent off from Moss. It will probably take nearly two months to build and paint it. build and paint it.

build and paint it.

Devon Friendship.—An official circular has been issued, in which it is stated that out of the 350 shareholders in the company, about 70 have already agreed to take nearly 8000 of the 11. shares to be issued at 10s. discount, payable by instalments of 1s. each, and entitled to one-half of the net profits available for dividend, provided the whole 20,523 are subscribed for. It is pointed out that the property is a most valuable one, where discoveries have not got to be made, but with large available resources only waiting for the necessary machinery to return great profits. With the water drained from the old mine there would be immediately found broken and laid open hundreds of thousands of tons of most valuable produce, which has lately advanced considerably in price, and is likely to continue to do so. With the requisite moderate amount to erect machinery, the undertaking is as far removed from a speculation as almost anything can be.

GOLD AND SILVER.—Mesers. PIXLEY and ABELL (July 31) write: With a continuance of orders for gold, prices have been well maintained. The Bank has sold, in bars, 40,000. for India, 33,000. for Paris, and 150,000., in sovereigns, for Canada. The total received is 37,000. in coin, from South America. The imports are 11,500. from Australia; 39,000. from the West Indies; 30,200. from the River Plate: total, 30,700. The exports by the Peninsular and Oriental steamers amount to 95,000. Silver has slightly hardened since our last, and the arrival by the Royal Mail and Pacific steamers were sold at 5013/gd. To-day, with rather firmer rates from India, we quote 50%d. The imports are 53,700. from New York; 29,200. from the West Indies; 42,000. from Chill = 124,000. The Peninsular and Oriental steamers take altogether 168,500. to India. Mexican Dollars to the amount of 79,700. came to band by the Moselle, and these were sold at 50%d., aslight reduction on previous rates, and we give this as to day's quotation. The Peninsular and Oriental s.s. Shannon takes 101,500. to China and the Straits. The quotations for bullion are: Bar gold, fine, 77s. 104. per oz., standard; bar gold containing 20 dwts. silver, 78. 11/dd. per oz. standard; bar silver, fine, 75%d. per oz. standard; bar silver, containing 5 grs. gold, 51½d. per oz. standard; cake silver, 54½d. per oz.; Mexican dollars, 50½d. per oz.; quicksilver, 54. 6s. 6d. Discount, 3 per cent.

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Correspondence with this view invited from Capitalists and Pro-noters in London and elsewhere.

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There are many mines worth attention, as proceedings of recent share-holders' meetings prove beyond doubt. During the last 40 years there has no such opportunity presented itself as the present for investment in British mines. Metals are certain to advance. In well-informed circles no doubt is entertained on this point. Buyers must not further delay orders. See Selected List published by S. JAMES, 14, Angel-court, London, E.C.

on this point. Buyers must not further delay orders.

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50 Bedford United, 29s.

40 Carn Camborne, 6s.9.d.

51 Cooks Kitchen, 210.

22 Devon Consols, 48s.

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25 Devon Friendship,

15 J. 9d.

26 Devon Friendship,

17 Freawean, 5s.

27 Devon United, 4s.

28 Devon United, 5s. 6d.

29 Devon United, 5s.

20 Devon United, 5s.

20 Devon United, 5s.

20 Treawean, 5s.

20 West Cardon, 1s.

50 East Wheal Rose, 7s. 6d.

20 West Cardon, 1s.

20 Wheal Jane, 1s.

20 United, 2s.

21 La Plata, 5s.

22 La Plata, 5s.

23 La Plata, 5s.

24 La Plata, 5s.

25 La Plata, 5s.

26 Lasbon-Berlyn, 13s. 6d.

20 Wheal Coates, 2s. 6d.

20 Wheal Islave, 2s.

20 Occar Gold, 7s. 6d.

21 Last Chance, 1s. 6d.

22 West Kitty, £11½.

23 Mouveau Monde, 1s9d.

24 Orta, 1s.

25 Denver Gold, 1s. 9d.

26 Ortica, 3s.

20 Hoen, 1st.

26 Did Goat, 3s.

27 Hoen, 1st.

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20 Lisbon-Berlyn, 13s. 6d.

20 Social of the shows

21 Last Chance, 1s.

25 Denver Gold, 1s. 9d.

26 Fool Indian Genrock, 2s.

26 Old Coast, 3s.

20 Hoen, 1st.

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20 Lisbon-Berlyn, 13s. 6d.

20 Lisbon-Berlyn, 13s. 6d.

20 Social of the shows

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20 Stanlow, 1st.

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35 Great Holway, 15s.
150 Home Mines Trust,
11b. 9d.
20 Killfreth, 6s. 6d.
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20 Kit Hill Gt. Cons., 1s.
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20 Carn Bress.
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25 Marke Yalley.
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70 Akankoo.
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50 California Gold.
10 Cape Copper.
30 Colombian Hydraulie,
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The Mining Market: Brices of Metals, Ores, &c.

METAL MARKET-LONDON, AUG. 1, 1884

Pig, 6MS, f.o.b., Clyde 2 1 7- " Scotch, all No. 1 2 2 4- Bars Welsh, f.o.b. Wales 4 17 6- " in London. 5 7 8-	English, ingot, f.o.b 85 10 0 86 10 0-
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Bars Welsh, f.o.b. Wales 4 17 6	
in London, 5 7 6	refined 87 10 0
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. in Tyne or Tees 5 0 0	Straits 82 2 6
. Swedish, London 9 0 0- 9 10	
Rails, Weish, at works 4 17 6	Tough cake and ingot. 58 0 0- 58 10
Sheets, Staff., in London 7 5 3- 7 10	
Plates, ship, in London . 7 10 0- 8 0	
Hoops, Staff., 6 7 6- 6 10	Flat Bottoms 66 0 0- 70 0
Nail rods, Staff., in Lon. 6 76-	Wallaroo 60 10 0- 61 10
STEEL.	Burra, or P.C.C 60 10 0
English spring12 0 0-18 0	
cast30 0 0-45 0	
Bwedish, keg13 0 0-14 0	
fag. ham13 10 0-14 10	
Rails at works 4 12 6- 5 0	PHOSPHOR BRONZE.
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LEAD.	119 A
English pig, common10 15 0-11 0 0	WY Dans A Dans D 110 0
	BRASS.
	Wire 63/d
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white14 10 0-18 10 0	Yel, met. sheath. & sheets 5%-6
patent shot13 10 0-	TIN-PLATES.* per box
paniel	Charcoal, 1st quality 1 1 0- 1 2
NICKEL.	2nd quality 0 18 0- 1 0
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ore 10 percent, per ton,	,, 2nd quality 0 15 0- 0 16
SPELTER.	Black per ton 15 10 0
ilesian ordinary brands14 2 6-14 5 0	
" special brands, 14 7 8-14 10 0	at Liverpool
Inglish Swansea15 10 0	Black Taggers, 450 of 30 00
heet zinc	14 × 10
* At the works, Is, to Is, 6d, per box	less for ordinary; 10s. per ton less for

Canada ; IX 6s. per box more than IO quoted above, and add 6s, for each X. Terne-plates 2s. per box below tin-plates of similar brands.

REMARKS.—At the early part of the week our markets showed an improving tendency, at least so far as the principal metals are concerned, but this improvement has not been followed up in all cases, and there is no particular new feature to influence the future of our markets in either direction; but at the same time if the feeling of hesitation, nervousness, and anxiety, is not speedily removed, there is but little reason to believe that prices will do otherwise than continue to crumble away. There is anxiety as to the future, not only as regards the demand, but more particularly as regards the supply. The former is expected to continue to be curtailed by consumers, and shippers purchasing only enough for their pressing requirements, while the latter is thought not unlikely to be increased, both of which events would have a very injurious effect upon the trade, as they would tend to augment stocks, and thus further depress the already overburdened markets. The cheapness of money at the present time may, perhaps, help to ward off any serious difficulties, and possibly may even thus late be the means of ultimately reviving trade, but its cheapness proves a very deplorable state of business. Is shows that money is not being freely used for the purpose of developing the demands, for encouraging enterprise, and for stimulating operators to effect purchases. When money is freely being offered at it and even 1/2 per cent., it is a convincing evidence that trade is bad and in a most feeble condition. and there is no particular new feature to influence the future of our

veloping the demands, for encouraging enterprise, and to standarding operators to effect parchases. When money is freely being offered at it and even \(\frac{1}{2} \) per cent., it is a convincing evidence that trade is bad and in a most feeble condition.

Speculators may every now and then be attracted to any one metal by the cheapness of prices or some other cause, and thus create in that metal a temporary advance, and thereby produce a stiffening influence over prices for other metals, but such an improvement only last for a short time when it is not followed up by a restoration in the genuine demand. This is the reason why the cheap money now produces such a little effect upon the speculative demand. Operators look at the cause of that cheapness rather than at the facilities of finance which are thereby afforded, and the same may be said of the low prices and the reasons why they do not bear their usual influence in increasing the demand. Confidence must be restored, and some good reason given for anticipating a speedy revival in regular trade ere the low prices and cheap money will bear much effect in promoting business, but in the meantime there can be little danger in purchasing at current rates, as with one exception prices for all metals are decidedly favourable, and there is every facility afforded to holders of financing their stocks. The Bevenue Returns again give another clear proof of the indifferent state of trade, and the reduction in the revenue of customs, excise, stamps, telegraph service, &c., shows at least that business is comparatively bad, the comparison being with last year, a season which it will be remembered was by no means a flourishing one for trade. The statistics for some metals issued for the month of July are fairly favourable, but there is nothing in them except for copper which calls for any very special comment, and the little spurt in some metals which has taken place during the week must continue for some little time longer ere it can afford grounds for believing in its p in many instances tairly satisfied their wants at the reduced rates, and are, therefore, unlikely to continue purchasing at the improved prices, especially as there is no reason to believe, or evidence to show, that prices will be sustained, and that continued support will be given to the market. To-day the market has been very spirited, owing to the announcement of excellent deliveries for last month, light charters for the last half of July—1500 tons from Chili—and generally improved statistics. The total visible stock has been reduced to about 43,000 tons. The imports of Chili produce during the last half of last month were 237 tons, and the deliveries 2486 tons. The stock of Chili produce in first and second hands in Liverpool and Swansea yesterday was 24,388 tons, against 24,219 tons on July 15.

and second hands in Liverpoot and swanses yesters, yes a large 24,219 tons on July 15.

IRON.—With the exception of Scotch pigs there has continued a very dull, inanimate, and lifeless market; prices have kept steady, and the changes in the market have been immaterial. Enquiries for all classes of manufactured are most limited, and everything for all classes of manufactured are most limited, and everything seems to fail in inducing consumers and shippers to effect their purchasers beyond the most hand-to-mouth quantities. With reference to Scotch pigs, there has been a more active demand, and prices during the early part of the week assumed a stiffening tendency. Last week we drew attention to the advisability of reducing the number of furnaces in blast, and it is therefore attisfactory to see by this week's returns that two have been damped down. Beduced production is the only way to ensure better prices. The demand is not sufficiently good to warrant improved rates, and, therefore, if remunerative prices are to be realised, it can only be done by curtailing the output. Of course the damping down of only two furnaces will not make any very material difference to the supply, nor cause any particular relief to the market, but it is a step in the right direction, an example which other makers would doubtless do well to follow, and aircady a little better tone has been imparted to the market. Low prices will not encourage operators into the market unless there is some fair reason to anticipate that prices may shortly advance; but when there is a prospect of supplies being kept under requirements, and the heavy stocks more or less reduced, then not only is a spirit of speculation implanted in the market, the tone made more cheerful, and the feeling characterised with greater animation, but the regular demand is also increased, as consumers and shippers not infrequently fully satisfy their wants, and abandon the polley of merely giving out orders to meet their most urgent and pressing daily requirements. There has been a steady demand for makers' iron, and prices have been tolerably firm. The Glasgow warrant market, after having closed steadily last week, opened on Monday with a strong tone, and greater disposition to buy, the price steadily advancing from 47s, 34d, to 48s, 65d, on the following day. On Wednesday, although there was a fair business transacted, the price was scarcely so strong, the quotation being 41s, 5d, to 41s, 55d, but yesterday there was more doing, and the price was strong but steady at 41s, 7d, to 41s, 74d, and the closing figure this afternoon is 41s, 7d, per ton. The shipments last week were 10,315 tons, against 14,058 tons for the same week of last year, being a decrease of 3734 tons, and which makes the total shipments for the whole of this year 325,154 tons, against 367,481 tons for the same time of last year, and 365,515 tons for the total being 94, against 96, and the public stock has been reduced by 430 tons, and now amounts to 537,606 tons, against 38s,035 tons last week.

The imports of pig-iron into Grangemouth last week were 3790 tons, against 2410 tons for the contrapendation of the same time of last year, being a decrease of 420 tons, which makes a total decrease for the whole of this year, compared with last. of 4530 tons. The Middlesborough market is reported very dull, business being almostat a standstill. Second-hand lots of No. 3 are offering at 36s, 9d, and m

ness has been transacted, principally about \$27.15s. per ton for cash parcels of foreign. The statistics for the month of July must be pronounced favourable, the deliveries having been very satisfactory, but, notwithstanding this, it does not seem likely that more than a temporary advance, and perhaps not that will be effected. There is much to be said in favour of the market, much to implant confidence and encourage buying, but yet there is no disposition to follow up the market. If prices slightly advance—be that advance evers of trifling—there immediately follows a desire to press sales, and take whatever profits may be offering. This disposition to push sales is carried so far, that not only does the market lose all that it had previously gained, but prices invariably recede to still lower figures.

This has been a notable characteristic for some time past, as it is evidenced by the heavy fall in prices during the last three months, and while such a feeling continues to exist thereis little hope of the market being permanently enhanced. The reduced price, the diminished stocks, the light supplies, and heavy deliveries have all failed to establish higher rates, and to engender confidence to holders, and we must wait until the prevailing feeling of hesitation has been removed ere we can now expect these weighty influences to bear their usual and important effect upon the market. At the Banca sale in Holland yesterday the average price resilised was 51½, equal to 55; los, a figure not so good as was expected to be obtained, and which had, perhaps, a temporary adverse effect upon our market, but prices have quickly picked up what they lost, and to-day there has been a very strong and active demand, and the quotation to-day is 144. 2s. 6d. to 144. 5s. for ordinary brands, and 144. 7s. 6d. to 146. 10s. for specials.

LEAD is very firm, and as high as 104. 15s. has been paid for Seconds in werehouse. We quote Spanish at 104. 12s. 6d. to 104, 15s.

146. 108. for specials.

LEAD is very firm, and as high as 10l. 15s. has been paid for Spanish in warehouse. We quote Spanish at 10l. 12s. 6d. to 10l. 15s., and English at 10l. 15s. to 11l. per ton.

STREL.—The demand for rails is fairly good and prices are for the

most part steady.

TIN-PLATES.—A fair amount of business is being transacted, and there is no quotable alteration in prices.

QUICKSILVER is without change, at 5l. 6s. 3d.

The MINING SHARE MARKET has shown signs of greater activity, though the dealers have been chiefly engaged in the settlement of the usual fortnightly account. One or two mines have been in demand at advanced prices, though, generally speaking, quotations are nominal. The mines dealt in include Dolcoath, East Pool, Tincroft, East Blue Hills, West Kitty, Bratsberg, Prince of Wales, Oscar, Wheal Crebor, Polberro, and others.

Tin is firmer; the total stocks to-day are 2000 tons less than on corresponding day last year, and there is an impression abroad that it is likely to advance in price. The standard for ore has not changed

Wheal Crebor, Polberro, and others.

Tin is firmer; the total stocks to-day are 2000 tons less than on corresponding day last year, and there is an impression abroad that it is likely to advance in price. The standard for ore has not changed since Jane 11. Carn Breas have advanced to 4, 44. Cook's Kitchen, 9 to 10. Dolcoath, 73 to 75; a dividend of 11. los. is expected at the meeting. East Pool, 43 to 44. East Blue Hills have been in 18 good demand, and leave off \(\frac{1}{2}\) to \(\frac{2}{3}\); driving has been commenced on a productive lode below the adit. Killifreth, 5-16ths to 7-16ths; Mounts Bay, 2s. to 3s.; South Condurrow, 3\(\frac{2}{3}\) to 9\(\frac{1}{2}\). South Frances have improved to 8, 8\(\frac{1}{3}\). Tincrofts have risen from 5 to 8\(\frac{1}{3}\), 9; the mine has improved in the bottom level. Tresavean, 4s. 6d. to 5s. 6d.; West Basset, 3\(\frac{1}{3}\) to 4; Wheal Grenville, 6 to 6\(\frac{1}{3}\); Wheal Kitty (8t. Agnes), \(\frac{1}{4}\) to \(\frac{1}{3}\); Wheal Idne, \(\frac{1}{4}\) to \(\frac{1}{3}\); West Polbreen, \(\frac{1}{4}\) to \(\frac{1}{3}\); Wheal Jane, \(\frac{1}{4}\) to \(\frac{1}{3}\); South Kitty, \(\frac{1}{3}\) to \(\frac{1}{3}\); Wheal Jane, \(\frac{1}{3}\) to \(\frac{1}{3}\); West Polbreen, \(\frac{1}{4}\) to \(\frac{1}{2}\); per share (36001). was declared. The tin sold realised 62551. The tin sold at an average of about 501, per ton, and showed a profit of 261, per ton. The report states that the lode in the 84 level driving east of cross-cut is worth 101. per fathom. The 80 is worth 201, per fathom; the 72, 151.; 60 east, 151.; 60, west of cross-cut, 81.; east of cross-cut, 201. Trevaunance, 1\(\frac{1}{4}\) to 1\(\frac{1}{2}\); the accounts here showed a balance in hand of 4461. A call of 2s. per share was made. The accounts showed a credit balance of 61. Polberro, 1\(\frac{1}{2}\) to east, 150.; 60, west of cross-cut, 81.; east of cross-cut, 201. Trevaunance, 1\(\frac{1}{4}\); to 1\(\frac{1}{2}\); the scounts here showed a balance in hand of 4461. A call of 2s. pe

stopes continue to look well, and points throughout the mine are improving. South Caradon, ½ to ½.

Lead is firmer, but there is very little doing in lead mines, and prices are merely nominal. Vans are quoted 1 to 1½; Great Laxey, 8½ to 9½. Roman "Gravels have advanced to 2½ to 3. Leadhills have risen to 1½ to 1½. Old Shepherds, ½ to ½; East Rose, ½ to ½. South Darren, ½ to ½; the lode in the 130 west is worth 2½ tons silver-lead ore per fathom. The sampling next week will be 25 tons. Weardale, 1½ to 1½.

, 11 to 11. OREIGN MINES.—Shares of this class have enjoyed their full FOREIGN proportion of the general improvement, and prices are upon the whole firmer. Akankoos are quoted \(\frac{1}{2} \) to \(\frac{1}{3} \); Alamillos, \(1\frac{1}{3} \) to \(1\frac{1}{3} \); Almillos, \(1\f eye, § to 1; from the directors' report it appears the gold obtained during the past year has been 5941-07 ozs., realising 23,509l. 9s. at a cost of 15,417l. 9s. 1d., leaving a profit of 8091l. 19s. 1d., out of which 4116l. 3s. 10d. has been expended on the completion of Uncle Sam Works, leaving a net balance of 3975l. 15s. 3d. A dividend of 1s. per share was paid on December last, and another of 2s. per share since the closing of the accounts. Good and profitable results are anticipated for the future. Bratsberg, 1\(\frac{3}{2}\) to 1\(\frac{3}{2}\). California, \(\frac{3}{2}\) to report of the directors, prepared for the meeting on Thursday next, states that during the past financial year liabilities have been cleared off amounting to about 25,500l., which includes the mortgage loan, the balance due to the Hidden Treasure vendors, and half the amount due to the California vendors. The whole indebtedness of the company on May 31 last was thus reduced to about 5860l., while the assets show in cash 7941l., stores 1427l., and unissued shares at par, 2279l., making a total of 11,647l. The payment of the loans relieves the company from 780l. per annum for interest. A reduction of 100l. a-year has been effected in the office expenses, and 350l. per annum in consulting engineer's fees, making a total saving for the future of 1230l. per annum. The balance of 7941l. in the bank and in hand on May 31, 1884, allows of a further dividend of 1s. per share being paid, and leaves a cash balance of 1555l. to be carried forward. The dividend, if sanctioned by the meeting, will be paid on Aug. 39

carried forward. The dividend, if sanctioned by the meeting, will be paid on Aug. 9.

Cape Copper, 42 to 44; Chile Gold, \(\frac{1}{2}\) to \(\frac{1}{2}\); Chontales, \(\frac{1}{2}\) to \(\frac{1}{2}\); Colorado United, \(\frac{1}{2}\) to \(\frac{1}{2}\); Colombian Hydraulic, \(\frac{1}{2}\) to \(\frac{3}{2}\); Copiapo, \(\frac{1}{2}\) to \(\frac{2}{3}\); Fortuna, \(\frac{2}{3}\) to \(\frac{3}{2}\); Frontino and Bolivia, \(\frac{1}{2}\) to \(\frac{3}{2}\). Kapanga, \(\frac{1}{2}\) to 3-16ths; very favourable news has been received from Captain Argall. He states that he has struck gold in No. 2 rise in the No. 8 level, Scotty's lode, and that he expects to open up some good stoping ground from this point. The trials the new manager was making are progressing satisfactorily, and are bearing out the anticipations he set forth in the report of his inspection issued to the shareholders some little time since.

he set forth in the report of his inspection issued to the shareholders some little time since.

La Plata, 3-16ths to 5-16ths; Linares, 2\frac{3}{2} to 3\frac{1}{2}. Mason and Barry have improved to 10\frac{3}{2}, 10\frac{3}{2}, and considerable business is doing in them. Now Emma, \frac{1}{2} to \frac{3}{2}; New Potosi, \frac{3}{2} to \frac{3}{2}; Nouveau Monde, 1-16th to \frac{1}{3}; Organos, \frac{3}{2} to 11-16ths; Orita, 15-16ths to 11-16th; Panulcillo, \frac{4}{3}\frac{1}{2} to 4\frac{3}{3}; Richmond, 3\frac{3}{2} to 3\frac{3}{2}. Richmond, 15\frac{1}{2} to 16, and a good business doing; ditto bonds, 9\frac{3}{2} to 101. Ruby and Dunderberg, \frac{3}{2} to \frac{1}{2}; Schwab's Gully, 5\frac{3}{2} to 6\frac{1}{2} (ex div.). South Australian Copper Mines Corporation, \frac{1}{2} to 3-16ths the latest advices from the Blimman Mine are considered satisfactory, the mine was looking well, and the stopes were yielding from 1\frac{1}{2} to 5 tons of 25 per cent. ore per fathom, and the profit for the month of June was expected to equal that for May—2004. An abundance of rain had fallen, more than had been known for some years, filling the springs, and setting at rest an adequate supply of water for dressing purposes. St. John del Rey, 65 to 75; business was done to-day at 70, but the price afterwards declined to 69. Tharsis, 5\frac{3}{2} to 6\frac{1}{2}; Tolima, A, 5\frac{1}{2} to 6\frac{1}{2}; (ex div.). United Mexican, 3 to 3\frac{1}{2}; the telegram received this week says:—"The excess of returns over outlay in the mine of San Cayetano de la Ovejera for the week ended July 26 is \$6600, and on El Diamante \$50. Will send \$15,000."

CROWN MINERAL LEASES.—IMPORTANT ANNOUNCEMENT.—Those who have had the honour of holding mineral leases from Her Majesty's Commissioners of Woods and Forests, will hear with pleasure the important announcement made by Mr. Courtney in the House of Commons on Thursday night, that the clause known as the one-fourth consideration clause had been abandoned. This was elicited by a question asked by Mr. John Rolls, M.P. for the county of Monmouth, well-known for his exertions in the interests of mining. The further statement of Mr. COURTNEY will, however, be information to the holders of leases under the Woods and Forests—"I have no reason to think that Crown mining leases are more onerous in respect of royalty or other conditions than those given by other Welsh landowners. I see no evidence to show that the terms required by the Crown injure mining enterprise; on the contrary, the Commissioners of Woods are especially anxious to develope their CROWN MINERAL LEASES.—IMPORTANT ANNOUNCEMENT.—Those

quired by the Crown injure mining enterprise; on the contrary, the Commissioners of Woods are especially anxious to develope their mining properties in every proper manner."

Anyone who differs from this view would do well to state the circumstances, as Mr. Rolls has stated his intention of pursuing the matter further. Subjoined is the full question and answer.

Mr. Rolls asked the Secretary to the Treasury whether holders of mineral leases under the Commissioners of Woods and Forests,

of mineral leases under the Commissioners of Woods and Forests, more especially in the counties of Cardigan and Merioneth, were required to pay higher rents and royalties than those asked by the adjoining landowners; whether clauses were inserted in the leases from the Commissioners of Woods and Forests not known of in any private mineral leases; whether in some cases the lessees had been threatened with forfeiture of their leases for not working the mines, although their doing so, in the face of the present price of minerals, would entail a serious loss, and although all rents had been paid-up; whether he would grant, as an unopposed return, a statement of the number of acres belonging to the Crown in the counties of Cardigan and Merioneth, and how many acres of the same were at present let

number of acres belonging to the Crown in the counties of Cardigan and Merioneth, and how many acres of the same were at present let under mineral leases; and whether he was aware that the conditions imposed by the Commissioners of Woods and Forests were such as to practically prohibit searches for minerals in these two counties.

Mr. COUETNEY: I have no reason to think that Crown mining leases are more onerous in respect of royalty or other conditions than those given by other Welsh land owners. The only special provision in the former, known as "the one-fourth clause," is now no longer inserted. In no recent case has forfeiture been threatened because the mines were not worked. I will obtain for the hon. member the acreages for which he asks, but I do not think there would be any use in laying them before Parliament. I have seen no evidence to show that the terms required by the Crown injure mining enterprise on the contrary, the Commissioners of Woods are especially anxious to develope their mining properties in every proper manner. to develope their mining properties in every proper manne

The MARKET for MINE SHARES on the Stock Exchange has been decidedly better, the tin statistics are favourable, and the prices of decidedly better, the tin statistics are favourable, and the prices of both tin and copper are well maintained, whilst the improvement in lead continues. These facts have created an altogether better feeling, and it is generally considered that if the price of metals offered any encouragement capitalists would be quite ready to give substantial evidence of their willingness to support home mining enterprise, provided undertakings be brought forward in such a manner that the system of overloading capital accounts shall be superseded, and the investors' money really applied to the working of the mines. The numerous failures of new companies during the past two years are generally attributed to the insane cupidity of the middlemen who have acted as vendors, but as the public have now become alive to the evil, and as promoters are beginning to recognise the fact that 50,000. worth of saleable shares are better than 400,000. worth which can only be sold at 4 or 5 per cent. of their nominal value, it which can only be sold at 4 or 5 per cent. of their nominal value, it is hoped that with a more equitable system there will be a return of enterprise and prosperity. The market fluctuated much to-day, but closed fairly firm.

Our usual telegram from Cornwall this evening says:—During the past week the Cornish Mine Share Market has been more buoyant, with a decidedly better tone, shares generally are firmer, and there has been more inclination for business. Both Dolcoath and East has been more inclination for business. Both Doicoath and East Pools are strong, and close firm, the returns keeping up very favourably. Tincroft continues in request, shares have been done at 81, and are scarce. Agars are also firmer, and there has been rather more enquiry for South Frances and Carn Brea. West Kitty continues well held. At the meeting on Tuesday a profit of 37911, on four months' working was reported. A dividend of 12s, per share was declared. declared. The prospects of the mine are very encouraging. At New Kitty and at Trevaunace United calls of 2s. per share were made. At Redruth Ticketing yesterday 893 tons of copper ores realised 2651, the standard remaining unaltered. The quantities comprised 532 tons from Mellanear, realising 10761, and 210 tons from Levant producing 9271. Wheal Owles is reported to be looking much better,

producing 927t. Wheal Owles is reported to be looking much better. The Neath Harbour Smelting and Rolling Works, to the formation of which reference was made in last week's Mining Journal, has issued its prospectus, which will be found in another column. The object of the enterprise is to purchase and work the celebrated Crown Copper Smelting and Spelter Works, and the concession of the famous Gorno Calamine Mines, consisting of 398 hectares (about 800 English acres), situated in the province of Bergamo, Kingdom of Italy, and estimated to contain (without calculating new seams) 420,000 ton. A further concession has been obtained giving the right to explore over about 100 hectares of land. The capital is 150,0004, in shares of 5t. each. Divided into 20,000 preference and 10,000 deferred shares. Issue of 100,000, in proference shares were when there are profits to justify it, will only receive dividends on a sum equal to the amount called up for the time being upon the preference shares. When dividends have been paid for five consecutive years on the preference shares wither rate of 12 per cent. per annum, and when the dividends upon the deterred shares

have also been paid as above for a like amount and period, the distinction between the two classes of shares as preference and deferred will cease, and the dividends will be thenceforth struck on both at the same rate per cent. The board of directors is formed of well known men of business, and the properties appear to be such as with care and energy may be made very unremunerative.

The London and Middlesex Land Company, with a capital of 50,000% in shares of 5% each, has been formed to purchase estates, chiefly in the Metropolis, with a view to resell them in small plots, or create ground-rents on them after improvement and development. The prospectus states that freehold ground rents have been for many years in steadily increasing demand, not only on the part of or create ground-rents on them after improvement and development. The prospectus states that freehold ground rents have been for many years in steadily increasing demand, not only on the part of the investing public, but by trustees, bankers, and insurance companies, as the security they afford renders them available for trust purposes. That buildingland in the neighbourhood of London must steadily increase in value is a natural consequence of the increasing population. In a recent speech made in the House of Commons, Mr. A. J. Balfour, M.P., said:—"London increased by 50,000 souls a year, so that every 12 months a vast town as big as Northampton was added to the Metropolis." As an instance of the success which has attended the principal land companies, and the good return to the shareholders, one similar enterprise is mentioned which paid 12 per cent. dividend, one of the latter giving also 10 per cent. bonus. The first land acquired by the company overlooks the grounds of the Alexandra Palace, and is within five minutes walk of Muswell Hill Station, whence Broad-street, King's Oross, Morgate-street, and other stations may be quickly reached. It is also within the six miles radius of Charing Cross, and is accessible from the omnibus and tramcar routes, or by cabdive from any part of the Metropolis. The road on the 'principal front of the estate is already constructed and the sewer laid, so that a comparatively small outlay is required in road-making and planting to develope the estate. Other estates will be purchased from time to time, and will be developed in a similar manner. After increasing their value by road-making, planting, and other improvements, it is proposed to resell them in retail portions on the deterred system of payment, and to give small purchasers every facility by granting them free conveyances, and by providing other casp terms. But where the directors deem it desirable, the plots will be let to responsible parties and ground rents created.

The Anglo-American Brush Electric Light Corporat

are able to inform the shareholders that during the past six months further considerable progress has been made in perfecting the manufactures and in developing the business of the corporation. The further considerable progress has been made in perfecting the manufactures and in developing the business of the corporation. The excellence of the apparatus supplied by the corporation, both for arc and incandescence lighting is now generally recognised, and the corporation stands high in the estimation of the public not only as manufacturers of the highest class electric lighting, but also as contractors for electric lighting installations. The corporation has been successful in establishing the reputation for high efficiency of their Victoria dynamos and lamps for incandescence lighting, and their especial suitability for the purpose of lighting ships. Contracts have been obtained among others from the Admirality, after severe competitive tests, for fitting up the following of H.M. ships of ward with the incandescence light—Colossus, Triumph, Raleigh, Bacchante, and Conqueror. Among the other important work undertaken by the corporation may be mentioned a provisional installation of three 500 light dynamos at Buckingham Palace, the supply of the machines for lighting the Parliament Houses at Melbourne, and the exclusive lighting of the Forestry Exhibition at Edinburgh. Although owing to the continued depression in electric lighting generally, the volume of business effected during the past half-year has not been enlarge as was hoped for, yet it is a satisfactory feature of the business that shipments have been made to nearly all quarters of the globe, and that there is a continuance of orders from distant countries. The directors feel that there is ground for congratulation in the fact that at present not only are all charges, ordinary and exceptional, met by revenue, but that the financial position of the corporation is such as to enable the board to undertake important contracts which they have in view, involving further expenditure of capital, without asking the shareholders to provide additional supplies.

Devon Great Consols have been in good demand all the week, and advanced to 2§, 3½. Good progress is

fathom. fathom.

Devon Great United, $\frac{a}{5}$ to $\frac{1}{5}$; the 120 fm. level, east and west of Willesford's shaft, is yielding good quality of copper and mundic ores, as well as the 60, west of Watson's shaft. An increased sampling of copper ores will be made.

Sampling of copper of the mane.

Dolcoath shares have been in better demand, and advanced to 74 to 74½; the quarterly dividend of about 30s. per share will be

74 to 74½; the quarterly dividend of about 30s. per share will be paid on Aug. 18.

Drakewalls United, 3-16ths to ½; as will be seen in another column the annual general meeting of shareholders was held on Thursday last, and was well attended. The policy to be pursued as proposed by the directors in the development of the property was unanimously approved of. It would appear that a vigorous prosecution in depth will be carried out forthwith, in order to get under the long run of rich tin ground gone down in the bottom levels, and it is important to point out that the deeper they sink the richer will become the tin ground, approaching the junction of granite and killas formation, for it is in a similar formation to this, where the profitable tin-producing mines have been, and are still unfolding their great wealth in or test in a similar formation to this, where the producing mines have been, and are still unfolding their great wealth in the Dolcoath, Camborne, and Redruth districts. This was pointed out at the meeting of shareholders by Mr. Peter Watson, the London manager, and it must be a satisfaction to the shareholders generally to find that there was such a harmonious and unanimous feeling amongst those present at the meeting with respect to the future of this recently.

East Pool shares advanced from 42 to 43, 44. A quarterly dividend of 20s. per share is expected at the meeting on Aug. 11.

Kit Hill, \(\frac{1}{2} \) to \(\frac{1}{2} \); favourable progress is being made in driving the great tunnel level, 16 ft. having been driven during the past week. The north engine-shaft is now being sunk below the 100, and in the 100 west the agent reports the lode is 5 ft. wide, and yielding tin ores as well as the 88 west. ores, as well as the 88 west.

Lead Hills have been in active demand all the week, and have advanced to $1\frac{1}{3}$, owing, it is said, to the fact that the bottom levels, as well as the shallower levels, are opening out valuable ore ground, and some further important discoveries are shortly expected. This, with the improved price of lead and the rumour that a profit will be shown.

that a profit will be shown. Roman Gravels, $2\frac{3}{4}$ to $3\frac{1}{4}$; and said to be in demand, owing to the rise in the price of lead. A further sampling of 100 tons of lead ore has been made this week, and the agent reports that the values of the ore-producing points are equal to those at any time during the past 12 months, several of them being worth 6 to 7 tons of ore per fathom. South Devon United, $\frac{3}{1}$ to $\frac{1}{2}$; the lode in Martin's shaft, sinking below the 120 fathom level, is worth 20L per fathom, and in this level driving west, about 15 fathoms distant, is worth 12L per fm. An increased quantity of water is now being obtained for ore-dressing purposes.

sing purposes.
South Wheal Frances shares advanced to 8½, 8¾, and in good demand, owing to the improvements which are now taking place at the mines, and the improving price of tin.

West Wheal Seton shares, which have been selling at very low prices for some time, are said to have become in demand at 4½ to 5, as the view in the improving.

mine is reported to be improving.

In Lead Mine Shares much more business is reported, and as the In Lead Mine Shares much more business is reported, and as the metal is fully 10s. a ton better a very encouraging feeling exists with regard to the future. A correspondent writes:—The advance in the price of metals, especially in lead, tin, and copper, which have at last made a start from the great depression which has characterised them during the last two or three years, must be highly cheering to shareholders in mines containing these minerals, as a gradual advance is now expected by those well qualified to judge in home mining pursuits and the metal market.

Ruby and Dunderberg, § to §; the weekly report is again chiefly interesting as regards the work being carried on at the Lord Bryon mine. The ore in No. 2 cave is developing fairly, and at No. 1 cave

mine. The ore in No. 2 cave is developing fairly, and at No. 1 cave the preliminary work will soon now be finished, enabling them to commence cleaning out the bottom, where a good body of ore will probably be met with. There is still a difficulty about getting tributers to work; but some more men had been put on during the

Antioquia (Frontino) Company's statement of profit and lo for May shows : for May shows:—The attle and sand crushed produced 70 ozs. gold, the estimated value of which, including exchange, was 1981. 3s.; whilst the cost at the mines, at Medellin, and in London, was 2851. 7s.; leaving an estimated loss of 871. 4s., in addition to 3001.

spent on capital account. The Frontino and Boliviar statement of profit and loss for May The Frontino and Boliviar statement of profit and loss for May shows that 2632 tons (of 20 cwts.) from general mines produced (average 15 dwts. per ton), 2033 ozs.; gold bought, 115 ozs. = 2148 ozs. The estimated value of the gold, including exchange, was 61081. 6s.; cost of the mines at Medelin and in London, 51071. 9s.;

monthly allowance for freight, commission on gold sales, and sundry fluctuating outlays not immediately accretainable, estimated at 2504.; paid for gold bought of tributers, 2274. 5s. 5d. = 55244. 14s. 5d., leaving an estimated profit of 5224. 11s. 7d. Mr. Frankin White reports:—"The water supply was good and the mineral crushed was on the whole of better quality. The Tigrito, Rosario, and Cordoba mines gave good produce, Silencio. San Joaquin, and Palmichala improved, but Cecilia and Salada were not good. The cost rose as I had expected. The extra cost department was high, due to cross-cuts in Silencio and Cordoba, where good work was done, and in Falmichala, where unfortunately, the ground was very hard. There was a considerrible increase in the laboratory department, where a new furnace is being put up with the intention of smelting pyrites. The rains have been heavy latterly, and the ditch has suffered somewhat, but not to an extent equal to that of last year. The heavy rains have ceased (by the 17th), so I hope that we may have a steady supply of water, which will assist us greatly in getting returns."

The London and South African Exploration Company have advice of remittances amounting to 7100l. for the last four weeks, making with the 28,070l. previously advised a total of 35,170l. for 32 weeks.

The Town and Country Bank (of Adelaide, South Australia) have opened a branch in London, under the management of Mr. Henry D. Cook.

The Railway Share Trust Company have received telegraphic in-ormation from New York that "Outline plans for re-organisation f the Wabash, St. Louis and Pacific Railroad were mailed on formation fro

July 30."
The interest warrants for the half-year ending July 31, on the Six per Cent. B. or Preference shares, of the Railway Share Trust Company (Limited) have been posted.
The Waterloo Mills Company, Hull, directors have declared a dividend for the past half-year at the rate of 15 per cent. per annum, passing 2500l. to reserve, and carrying forward 513l. 3s. 5d.
The Merchant Banking Company, of London, directors at a board meeting on Thursday declared an interim dividend at the rate of 6 per cent. per annum for the half-year ended June 30, payable on Sept. 1, and out of the profits of the half-year have made provision for an exceptional loss incurred during that period

OSCAR GOLD MINE.—The following letter dated July 25 has been received from Capt. Daw, the managing director in Norway, and will, no doubt, be read with interest by shareholders:—I have this day been over all the lodes granted to us, and I am pleased to inform will, no doubt, for rear with interest by star-doubters—I have this day been over all the lodes granted to us, and I am pleased to inform you our prospects look very satisfactory indeed. In washing samples every day gold is found in nearly every one. A sample I saw his morning washed from Hanson's showed splendid gold. This lode with many others when the property was sold to the company was not known. All the gold that we have got broken since you were here is from other lodes, not from Oscar shaft. There has not been anything done towards sinking yet. It will take 14 days or three weeks before sinking will be commenced. In my son's report of last week the produce given of the different samples some were high and some were low. I beg to inform you these samples were all taken very near the surface; in fact, some were from the surface, and to-day when I inspected the different places I was surprised at the results. It certainly appears now we shall have a great mine here. Respecting the machinery the drawing engine will be ready in 14 days. The large engine boiler is fixed in its place, and the masons are busily engaged in building the flues and brickwork around it. This I expect will be completed in about 10 days. There is a lot of work done towards the tamps and floors; in fact, I did not expect to see things in so forward a state. I wish you had come with me; I feel sure you would have been pleased.

BRATEBERG COPPER MINES.—Mr. Albert Daw writes under date

I feel sure you would have been pleased.

BRATSBERG COPPER MINES.—Mr. Albert Daw writes under date July 22:—"I have the pleasure to inform you that two peasants living near Gulnæs have written here to say they have discovered the old level on the mine said to have been hidden away by the old German miners within the period 1780—1790. They state in their letter that they have worked a couple of days to clear away the rubbish, and have come down on a wooden roof covered with clay. According to report this level was the richest part of the Gulnæs Mine. I have requested them to let me know on what part of the mine it is situated, and on receipt of their reply will let you know what we think of it. Murchison's engine will be started in a few days, the skip-road being nearly ready. The parts of the steamer are at last sent off from Moss. It will probably take nearly two months to build and paint it.

DEFON FRIENDSHIP.—An official circular has been issued, in which it is stated that out of the 350 shareholders in the company, about 70 have already agreed to take nearly 8000 of the 11. shares to be issued at 10s. discount, payable by instalments of 1s. each, and entitled to one-half of the net profits available for dividend, provided the whole 20,523 are subscribed for. It is pointed out that the property is a most valuable one, where discoveries have not got to be made, but with large available resources only waiting for the necessary machinery to return great profits. With the water drained from the old mine there would be immediately found broken and laid open hundreds of thousands of tons of most valuable produce, which has lately advanced considerably in price, and is likely to continue to do so. With the requisite moderate amount to erect matinue to do so. With the requisite moderate amount to erect ma-chinery, the undertaking is as far removed from a speculation as almost anything can be.

GOLD AND SILVER.—Mesers. PIXLEY and ABELL (July 31) write: With a continuance of orders for gold, prices have been well maintained. The Bank has sold, in bars, 49,000£ for India, 33,000£ for Paris, and 159,000£, in sovereigns, for Ganada. The total received is 37,000£, in coin, from Bouth America. The imports are 11,500£ from Australia; 39,000£ from the West Indies; 39,200£ from the Hiver Plate: total, 30,700£. The exports by the Peninsular and Oriental seamers amount to 95,000£ Silver has slightly hardened since our last, and the arrival by the Royal Mail and Pacific steamers were sold at 501½/gd. To-day, with rather frimer rates from India, we quote 505½. The imports are 53,700£ from New York; 29,200£ from the West Indies; 42,000£ from Chili = 124,000£ from New York; 29,200£ from the West Indies; 42,000£ from Chili = 124,000£ Mexican Dollars to the amount of 79,700£ came to hand by the Moselle, and these were sold at 50½d, a slight reduction on previous rates, and we give this as to day's quotation. The Peninsular and Oriental s.s. Shannon takes 101,500£ to China and the Straits. The quotations for bullion are: Bar gold, fine, 77s. 10.4 per oz., standard; bar silver, 616£ bar silver, 616£ bar silver, containing 5 grs. gold, 51½d, per oz. standard; oake silver, 54½d, per oz.; Mexican dollars, 50¾d, per oz.; quicksilver, 51.6 s. 6d. Discount, 3 per cent.

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Correspondence with this view invited from Capitalists and Pro-moters in London and elsewhere.

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See Selected List published by S. JAMES, 14, Angel-ec

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100 East Caradon, 2s. 6d.
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25 Denver Gold, 1s, 2d.
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20 Gold Coast, 3s.
100 Hoover Hill, 3s. 6d.
50 Indian Consolidated,
2s 6d.
100 Indian Glenrock, 2s.
100 Javali, 1s. 9d.
100 Kohinoor B, 2s.
50 Kapangs, 2s. 9d.
25 Lap Hata, 5s.
50 Last Chance, 1s. 6d.
80 Lisbon-Berlyn, 13s. 6d.
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50 Montans, 22s. 6d.
50 Montans, 22s. 6d.
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50 Drakewalls.
50 Drakewalls.
50 East Wheal Rose.
50 East Pool.
55 Ecton.
57 Devon Consols, Ecton, and Cape Copper.
58 PECIAL DEALINGS in Tincroft, East Pool, Devon Consols, Ecton, and Cape Copper.
50 Devon Consols, Ecton, and Cape Copper.
51 October Consols, Ecton, and Cape Copper.
52 Devon Consols, Ecton, and Cape Copper.
53 Devon Consols, Ecton, and Cape Copper.
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Notices to Correspondents.

CAVEAT EMPTOR—"W. T. R" (West Hartlepool.)—We understand that if a draper sells calico at 9d. per yard, whilst rival shop-keepers are selling a precisely similar article for 3d. per yard, the customer who purchases at 9d. per yard has no ground of action against the draper, because the said draper has taken 63/d. instead of ½/d. per yard profit. The customer cannot plead that he did not know the value of calico when he purchased. Similarly you, as a draper, cannot claim a return of part of the price you have paid for a mine share because you "know so very little about these matters," even if you have bought at a high price. The shares mentioned on the date named were quoted at no other price than that given in the back page of the Mining Journal, but sellers were no doubt taking more than 63/d. profit. We cannot, however, determine whether you "have been fairly dealt with."

WEST CALLAO.—I should be glad of any information that can be published as to the West Callao Gold Mines, their present condition, and the future probabilities of any return to the shareholders. The shareholders have not had any information whatsoever for a very long period, and when they had it was not worth much. The shares are all paid up, and I see them quoted for a considerable time past at 75 to 80 per cent. discount.—A. B. 8. Dublish.

NOETH PENSTRUTHAL.—It is a great disappointment to all concerned that the

NORTH PENSTRUTHAL.—It is a great disappointment to all concerned that the main lode of this mine should have recently been cut poor in the bottom level—only 2ft, wide, and no mineral. But is it the main lode at all? Is it not rather one of the branches cut in sinking the engine-shaft? This would easily be ascertained by extending the cross-cut a little further north. I firmly believe that this would result in a good discovery.—B. J.: Holford,

Referred to in news columns—"S. N. C.": Thanks; inserted.

THE MINING JOURNAL.

Bailway and Commercial Gazette.

LONDON, AUGUST 2, 1884.

THE CYCLES OF DEPRESSION AND PROSPERITY.

The connection between pigs and panics is scarcely more obvious than that between mathematics and mine shares; yet, by carefully studying pig-iron, hogs, and corn, simultaneously with cotton, provisions, and panic, an Obio farmer—Mr. SAMUEL BENNER—has been able to deduce rules, which, if not absolutely reliable, are likely to prove interesting and useful to both speculator and man of business. It must, of course, be admitted that when one makes the assertion that "FATIMA's cruel hasband was a miner, but did not work in a copper mine," the belief in the assertion will depend to a large extens upon the credulity of the person to whom the statement is copper mine," the belief in the assertion will depend to a large extent upon the credulity of the person to whom the statement is made, or rather to his ability to regard imagination and fact as identical. An American physician of some celebrity—Dr. JACKSON—affirms that blue hair has been observed frequently in cobalt mines and in indigo works, whilst green hair occurs amongst workers in copper, so that as FATIMA'S husband had a blue beard it is fair to assume that he was a miner, and that he was not a copper miner because his beard was blue and not green. But the arguments which support "Benner's Prophecies of Future Ups and Downs in Prices. What years to Make Money on Pig-iron, Hogs, Corn, and Provisions," are even more conclusive than these, and he is moreover, able to show that prophecies published seven years ago have proved wonderfully accurate. Now, the question is whether a similar process cannot be commercially and usefully applied to secure fortunes for investors and speculators in mine shares, for the whole secret of success seems to be contained in Mr. Benner's beautiful imitation of Shakespeare, in the metre of some of the later poetry of Tenof SHAKESPEARE, in the metre of some of the later poetry of TEN-

"There is a time in the price of certain products and commodities,
Which, if taken by men at the advance
leads on to fortune;
And if taken at the decline leads to

And if taken at the decline leads to bankruptcy and ruin."

It will be noticed, says Mr. Benner, that the great majority of the business men of broken down fortunes have become so, not by accident, but by dealing too largely when prices were on the decline. In the general declines of business after the panics of 1819, 1837, 1857, 1873, the loss to the nation through non-employment of labour and in various ways is estimated to aggregate a sufficient sum to pay our national debt. George Pearody laid the foundation of his fortune by buying American securities in one of our commercial depressions, the price taken at the advance led him on to competence. The whole history of trade and commerce is full with the records of men who The whole history of trade and commerce is full with the records of disaster which has been brought about by the mistakes of men who could not read the letters upon the sign posts, while on the other hand our libraries are crowded with the chronology of man's success in business and trade by taking the price and times at the advance. Within the present century the increase of knowledge improvements

each other by Intervals of six years, five years, six years, five years, and the years of lowest prices commencing with 1850 are similarly separated, but the figures run five years, six years; five years, six years, and so on. In pig-iron the intervals between the years of highest prices, commencing 1837, are eight years, ince years, six years; eight years, nine years, 10 years, and so on; whilst the intervals between the years of lowest prices, commencing 1834, are nine years, seven years, 11 years; and so on; a still more extraordinary circumstance being that where the highest price interval is eight years it includes six years fall and two years' rise; the nine year intervals including five years' fall, and four years' rise; and the 10 year intervals including seven years fall and three years' rise. In cotton, stocks, and the weather, the oycles are equally clearly marked, whence it would certainly seem that the future can be predicted from the past by the application of Mr. Benner's rules with reasonable accuracy.

Why then should not the future of high prices for any given metal, or for mine shares be predicted by the adoption of a similar system, although, of course, the nature of the cycle applicable in each case would have to be ascertained. How this could be done could readily be learned from Mr. Benner's book, the third edition of which has just been published by Messrs. ROBERT CLARKE and Co., of Cincinnati, but in the meantime as it is now admitted that both metals and mine shares are at their lowest speculators who desire to become the embodied historical repetition of George Peasony's fortunate' purchase, would probably do well to avail themselves of the present opportunities which daily present themselves. They should be well advised before they operate, buy only what can be purchased at a nominal price, and risk no more than they can well afford to lose; they will then, in all probability, be so well rewarded as to be thoroughly satisfied with the result.

THE RATING OF MINING, AND OTHER MACHINERY.

The rating of mining and manufacturing machinery has been a long-standing grievance, and few persons, single-handed, have cared to risk the cost, annoyance, and loss of time in appealing to the higher courts against the decisions of assessment committees. It would appear, however, from the annual meeting of the Employers' Iron Trade Association, a report of which appeared in last week's Journal, that the Leeds and Manchester districts leading firms have combined to appear agen to the House of Lords is precessery. Nobed: Iron Trade Association, a report of which appeared in last week's Journal, that the Leeds and Manchester districts leading firms have combined to appeal even to the House of Lords if necessary. Nobody has felt the inequalities of rating more than mineowners, for in scarcely any two districts is the basis the same. In one district in the North Riding there is no fixed rule for determining the rateable value, it being left to the discretion of the overseers. In another district in the same county, in assessing ironstone mines, the assessment committee value the ore according to the quality at so much per ton, clear of all deductions, whilst the machinery and plant is taken according to estimated value. At Llanidloes and Newton, where the dues are reserved in kind, the engines, machinery, &c., are separately rated. In such cases a deduction of 15 per cent. is made for repairs, insurance, and other expenses. In another union, where a large tonnage of coal is raised, the basis is taken to be the produce of the mine in tons per annum, charged at a "proper" royalty, according to the circumstances of the case, plus an additional amount for the rent of the shafts, engines, and other fixed plant used in the production of the mineral. What is required is something approaching uniformity, and as near as possible to its actual value for the work it performs. As it is, the rating of machinery, in some districts at least, is excessively high. It is, therefore, to be hoped that mineowners and other users of machinery will act together with a view to secure uniformity in the rating of such plant, which can only be effected by Legislative interference, seeing that the existing anomalies have lasted too long, and no disposition shown to even partially alter them shown to even partially alter them

MINING INDUSTRIES OF IRELAND.

MINING INDUSTRIES OF IRELAND.

We briefly alluded a fortnight since to the mining industries of Ireland, and the little attention that was paid to the valuable and extensive mineral deposits of that country. In different parts of Ireland there are deposits of copper, lead, manganese, antimony, blende, cobalt, nickel, arsenic, silver, gold, coal, &c.; but the production of any of these is comparatively trifling considering their extent, while some are altogether neglected. Some 250 years ago mining in Ireland in some branches was even better than it now is, for then the iron ores were smelted where they were found, and with the local coal. But, even of late years, the mining industry of Ireland has become paralysed, and the existing state of things is certainly not so favourable as could be desired for inducing capitalists to develope the mineral wealth spread so abundantly on all sides. The ironstone deposits are most extensive, covering a large area, but are only worked to a limited extent. In the north the clay ores of the coal measures are intrinsically valuable as regards both quantity and richness in iron. They were formerly smelted at the Arizona Ironworks, on the shores of Lough Allen, and it is expected by those resident there that they will be again. They would certainly well repay the erecting of furnaces for smelting, as they give an average of 51:36 per cent. of protoxide of iron. and 40:2 per cent. of metallic iron. In connection with the Antrim coal field there is excellent blackband ironstone, which has been extensively mined, and, being calcined on the stop. iron. In connection with the Antrim coal field there is excellent blackband ironstone, which has been extensively mined, and, being calcined on the spot, has been sent to the furnaces of Merry and Cuninghame, on the opposite coast of Ayrshire. There are several copper and lead mines in different parts of Ireland, but during the last three or four years these have not been worked to anything like the extent they were when the country was in a quieter state. Plentiful as coal is, at least is viv., comparatively little is raised, all the leading towns depending upon what is sent from England and Scotland. A few years ago iron pyrites from the sulphur ores were more extensively produced in Ireland than in any other part of the kingdom, the output being about one-third of all that was raised in the kingdom; but nothing like this has been turned out of recent years. It is the same with respect to almost every kind of metal and mineral known in Ireland. There appears to be not only a want of enterprise locally, but a disinclination on the part of workmen to engage in mining operations. engage in mining operations.

The falling-off in the leading mining industries in Ireland will be

seen from the following figures, showing the values of the material

ı	ced in	the years 1874 and 1883		rval of	10 years :-
			1874.		1883.
		er ore	€ 72,096		£ 1,348
	Lead	and silver ore	21,059		3,397
	Iron	pyrites	19,451	********	6,394
		OT6	112,089	********	30,838
	Coal	***************************************	69,606		57,258
		***************************************	13,950	*******	13,864

.....£308,251£123,099 same differer raised in the two periods. The consequence is that now more than ever the valuable minerals are neglected in Ireland, and more dependence placed upon a rough and ready system of agriculture, and which when there is an unfavourable season leads to something closely approaching a famine necessitating public aid.

of the rails would not permit to be exceeded. These facts confirm the opinion which is entertained concerning steel rails; they wear away regularly, while iron rails perish by scaling off beneath the wheels before being worn out, and after a very variable number of years. It was not supposed, however, that this wear of the steel rails could be so uniform that one-half of the rails laid at the same time would have to be replaced exactly the same year, to be followed probably very soon by the other half; but such, as we see, is the case. Another result, equally satisfactory, is the length of time which these rails lasted, having regard to the circumstances. These rails, it is true, have only lasted 13 years; but under altogether exceptional conditions of wear and tear. They were, in fact, placed on an incline of from 18 to 22 mm., over which there passed each day, with brakes on, 30 heavily-loaded trains. It will be sufficient to add that on this section of the line ordinary iron rails only lasted three months; hammered rails manufactured at a well-known and high-class German works had to be replaced one-half at the end of a year and completely at the end of three years. A duration of 13 years under the conditions indicated represents a movement of 130,000 descending trains—that is to say, under the hardest conditions from the point of view of wear and tear. The average weight of these trains probably exceeds 250 tons gross—the average weight of these trains probably exceeds 250 tons gross—the average weight of these trains probably exceeds 250 tons gross—the average weight of these trains probably exceeds 250 tons gross—the average weight of all the luggage trains of Belgium—so that these rails have probably resisted the wear of 35,000,000 tons gross descending an incline of about 1 in 50.

SCOTCH PIG-IRON WARRANT MARKET.

Mr. W. Wilson (Glasgow, July 31) writes:—The warrant market is without change, and the price is almost stationary. A very sluggish trade is doing, and with little appearance of improvement; but prices are now so low that a further fall of even a shilling or two would probably compel the blowing out of many furnaces. Shipments are again small for the week. One furnace has been put out at Langloan and one at Shotts Works, making the number blowing 94, 380 tons were taken out of store here last week, and 126 tons at Middlesborough. Business was done during the past week at the following prompt cash prices:—

following prompt cash prices	-		
Thursday, July 24.	Friday, July 2		onday, July 28.
41/336	ednesday, July	93 "	41/356, 41/5
			uraday, July 31.
41/4%, 41/8%	11/8, 41/4%, 41/5		1/5, 41/7 1/6, 41/8 1/6
	1884.	1883.	1882. 1881,
Price of Scotch Warrants, July 28.	41/436	47/7	50/9 46/8
Furnaces in blast in Scotland do.	94	115	109 119
Iron in store at this date	587,656	584,558	633,495 573,570
Shipments of Scotch pig-iron for week ending July 26	10,315	14,058	13,116 9,285
Do, since beginning of year	325,154	367,481	385,515 323,317
Price of Middlesbro', No. 3, July	28 36/9	39/	44/ 37/
Furnaces in blast Middlesbro' dis		117	119 118
Middlesbro' Iron Imported at Grangemouth, week ending July 26		4,210	4,698 5,015
Do. do. since beginning of year	150,164	154,694	128,240 173,529

THE DEVONSHIRE EXCURSION OF THE GEOLOGISTS' ASSOCIATION .- No. 11.

Last week's report brought the record of the excursion to the evening of Thursday, upon which day the granites and other rocks of the south-west corner of Dartmoor, and of the altered Devonians adjoining, were carefully investigated. On Friday Brent Tor and its vicinity formed the subject of study. Continuing the previous day's work, the party followed up the edge of the moor to Lydford, and completed their necessarily rapid survey of its borders by the examination of the eruptive rocks on and around Brent Tor. This tor has attracted notice from the very earliest dawn of geological science. Its peculiar peaked shape, which in ancient times caused it to be selected as the site of its quaint little church, and which has connected its history with myth and legend, has always given it a character of its own among Devonian heights. Bir Henry de la Beche seems to have been the first observer to form an unequivocal opinion as to its volcanic origin, now something over 50 years ago. Last week's report brought the record of the excursion to the evenopinion as to its volcanic origin, now something over 50 years ago, and in his report he remarks:—"The idea that in the vicinity of Brent Tor a volcano had been in action, producing effects similar to those produced by active volcanoes from a similarity of causes, forcibly presents itself. That this volcano ejected ashes, which, falling into adjacent water, became interstratified with the mud, silt, and sand there depositing seems probable. That greenstones and other into adjacent water, became interstratified with the mud, silt, and sand there depositing seems probable. That greenstones and other solid trappean rooks constituted the lawas of that period and locality seems also a reasonable hypothesis. Upon the whole, there seems as good evidence as could be expected that to the north and northwest of Tavistock, ash, cinders, and liquid melted rooks were ejected, and became intermingled with mud, silt, and sand during this geological epoch, corresponding with the phenomena exhibited in connection with volcanoes of the present day."

One of the Memoirs of the Geological Survey was devoted to the "Eruptive Rooks of Brent Tor and its Neighbourhood." In this work Mr. Frank Butley, F.G.S., took up the record of this volcano from the petrological side, and came to some very important conclusions. Sections were cut of all the leading varieties of rock and examined microscopically, the result being their identification as distinctly volcanic—pumice, breccia, rhyolitic breccia, devirified rhy-

examined microscopically, the result being their identification as distinctly volcanic—pumice, breccia, rhyolitic breecia, devitrified rhyolite, scoriaceous lava, decomposed basalt lava, pitchstone, and various forms of basalt in different stages of alteration. Mr. Rutley likewise examined the eruptive rocks of the district generally, and identified amphibolite bordering the granite of Brasen Tor, gnbbro at White Tor, Smear Ridge, and Cocks Tor, schistose ash at Kilworthy, Hurdwick, and Milton Abbot, amygdaloidal ash (schalstein) at Churlhanger, and decomposed greenstone at Grestone Bridge—most of them having been previously classed under the useful general head of "greenstone."

head of "greenstone."

This monograph, however, does not contain Mr. Rutley's last published views as to the stratigraphical relations of the Brent Tor volcanic series. These are to be found in a paper read before the Geological Society. Here he points out the downthrow of the existing portion of the old volcano between two faults; that by far the greater portion of the cone has been long since removed by denudation; and that a considerable portion of the downcast must also have disappeared, leaving what is by comparison only a mere mole hill. But the most important suggestions in this paper are based upon lithological similarity between undoubtedly Brent Tor rocks and the schistose lavas and ashes of the Saltash district. These, he suggests. head of "greenstone. lithological similarity between undoubtedly Brent Tor rocks and the schistose lavas and ashes of the Saltash district. These, he suggests, may belong to the same series, from which it follows either that the Saltash rocks are wrongly classed as Devonian, or the rocks around Brent Tor as carboniferous. But there is no doubt whatever that the Saltash rocks are, Devonian; and Mr. Worth has, since Mr. Rutley's paper was written, shown that any argument based upon the volcanic rocks of the Saltash area must apply also to those of the Plymouth district, into and through which the trappe and bands of the Saltash area continue.

the Saltash area continue.

As the matter stands, however, this can only be taken as a suggestion. Much closer and more detailed mapping is necessary than has yet been possible. It is also most desirable, where possible, to obtain the testimony of palsontology. While, therefore, it is highly probable that the frontier line between the carboniferous and Devonian rocks must be removed from about the horizon of Tavistock at least to that of Lydford, the point is one that will continue for some time a restailly approximation. It was decided hefore making from Wighin the present century the increase of knowledge improvements in machinery, and the discoveries in the arts and sciences, have advanced with a speed unparalleled in the annals of history. New light in various departments of human activity is now rapidly and continually breaking in upon the world. Each rising science has fought and struggled with superstition and ignorance, and in all ages no effort has been spared to blast them in the bud of their being or crush them in the cradle of their infancy.

The skinom, "History repeats itself," implies a cyclical movement in human affairs, and as it is a generally received opinion that everything moves in cycles, especially in Nature, Mr. Benner, judging the future by the past, predicted that the average price of hogs would decline in 1876 and 1877, that it would rise in the three succeeding years, and fall again from 1880 to 1883, which predictions were fulfilled with curious accuracy, and the diagram which he gives mencing with 1847 the years of highest prices are separated from

id not care to commit himself to a definite opinion he saw as yet eason to doubt the correctness of their assignment as carboni-as. The par'y were enthusiastic in their admiration of the Gorge, is was pronounced unrivalled in its way as an example of erasive The par'y were enthusiastic in their admiration of the Gorge, is was pronounced unrivalled in its way as an example of erasive in, and Dr. Hicks, accepting the view of Mr. Worth as to the independence of the fissure, pointed out that its present configuration was to the cross-jointing of the rocks, which afforded points of lesser tance, and thus allowed the water to scoop out these peculiar ows which are to be seen, not only at its bottom but on its sides, ore beautiful example he had never seen, and it alone was well the whole excursion. Near the Gorge the keen eye of Dr. as also detected a small dyke, which turned out to have been ed into a chloritic mineral. From Lydford it is a stiff pull, by all up hill, of some three miles to Brent Tor, the most tedious uninteresting part of the programme, with only a casual "ash" aliven it, but the Tor once reached the main business of the day to begin; and the leading features of this remarkable volcanic gin; and the leading features of this remarkable volcani e well examined during a stay of nearly a couple of hours to begin; and the leading features of this remarkable volcanic of were well examined during a stay of nearly a couple of hours, me the Tor itself the route lay near North Brent Tor to Mary y, where it had been arranged that the start homeward should made. Time and opportunity, however, were afforded for a visit wheal Friendship, the huge "burrows" of which it was thought the possibly yield a few minerals of interest, and to the extension thward of the "gabbro" of Smear Down, White Tor, and the Tor.

he day proved to have been well spent in more ways than one, b weather was everything that could be desired, and the views in the Tormagnificent. Geologically it was made memorable by the that organic remains were for the first time found in the slates the area; and that, however much older the rocks whence Brent rises may be, they certainly are not carboniferous. This is the step, then, towards the settlement of a problem which will effect wider conclusions when it is fully worked out. Another was en on the detection of bands of grits among the slates on Black wn. The visit of Dr. Hicks (whose keen eye was invaluable) and friends has thus been of the greatest service to the elucidations the geology of this part of Devon, which may now take a new arture. The turning over of the burrows at Wheal Friendship ulted in the discovery of some excellent specimens of minerals. song the rarer was allophane, and a beautifully crystallised minelining some cavities which at first puzzled the mineralogists pret, but was at length unanimously pronounced to be celestite.

Do Saturday the excursion was brought to a close by a visit to the Moor Clayworks, where Mr. W. L. Martin, who acted as guide, aducted the party round the works, and explained, not only the e area; and that, however much older the rocks whence Bren

a Moor Clayworks, where Mr. W. L. Marin, who acted as guide, deducted the party round the works, and explained, not only the ctical characteristics, but a number of highly interesting scientific tures. The great pit, which is now over 120 ft. in depth, was ginally worked very shallow; and it is entirely owing to the entire of the Messra. Martin, who drove a level from the side of thill some half-mile in, that the works have assumed their present ormous proportions. This level, though three "core" of men were need on it took nine years to a resents. Some of it was through ged on it, took nine years to execute. Some of it was through edingly hard ground, and some (and this gave the most trouble agh very loose ground. For a considerable distance it followed ngh very loose ground. For a considerable distance it in lower line of a flookan or cross-course, which extends from end to end he pit, and seems now as if it had reached a termination—if so, yr remarkable fact. In the course of driving the level several resting minerals were found, and Mr. Martin had thoughtfully a series of these arranged for the inspection of his visitors. a series of these arranged for the inspection of his visitors included beautiful specimens of opal and jasper, an example er included beautiful specimens of opal and jasper, an example tobernite—one of our rare minerals—and some magnificent stals and stones of tin, found at the intersection of the lodes and a cross-course. Although there are several lodes in the sett, the antity of tin they contain is so small that Mr. Martin said he was fectly astonished at the amount of work the old tinners must we done on that very spot for what could only have been very agre results. The inspection of the pit section proved a matter great interest, not only from the illustration of the way in which clay was wrought by the operation of judiciously directed streams water down the faces of the slopes, but from a scientific point of w. The various lodes were clearly seen traversing the opposite water down the taces of the slopes, but from a scientific point of w. The various lodes were clearly seen traversing the opposite s of the huge excavation. The largest clay pit proper in the gdom, at Lee Moor, is far and away the largest works. Mr. thin indicated the course of the flookan and its effect in "heaving" lodes. One lode had been carried some distance along with the kan before it started on its own course again. He also showed the tition of the best runs of clay and their peculiar relation to the lodes tion of the best runsor clay and their peculiar relation to the lodes foross-course, and this opened up several very important scientific ats for discussion as to the origin of the clay in the decomposition of the felspar. From the pit the party were conducted to a twhere the junction of the granite and the slate was to be distily seen, obtaining on the road some specimens of a novelty in form of a rock composed of schorl and felspar. The striking ture of black and white led to the humorous suggestion that it saled a name: there could be none better than magnite. The rain descending so heavily when the junction was reached that praces forbade any lengthy or detailed examination, but Dr. Hicks table to satisfy himself of the general correspondence with the tions traced on the previous Thursday—an important factor in

e next point was the mouth of the level where the milk-white at comes rushing forth charged with the clay from the stopes, ing at such a rate that it brings along stones of considerable Its course is soon checked, however, with the great girdiron of a strips, with their six-fold division. It flows on peacefully but from them, leaving the mica which had been in suspension hind, into the depositing pits, which form a double tier, immediately above the collecting tanks. The latter again communicate he drys," when the water is driven off from the clay—by a time a thick pasty mass—by the agency of flues passing under is allow-tiled pans into which it has been allowed to run. When the lightly decrease the master is decreased in the stripe when the stripe w shallow-tiled pans into which it has been allowed to run. When liciently dry, as Mr. Martin explained, it was cut into cubes, and ed under sheds, preparatory to being loaded into wagons, which two it along Messrs. Martin's private tramroad to their quays at tra Bridge. All the stages in the production of the day were folled and explained; and Mr. Martin showed also the range of as (which there was no time to visit) in which the randy refuse what used to be considered as such with the randy refuse. hat used to be considered as such-is made into fire-bricks

First description of the state of the state

FOREIGN MINES AND ENGLISH MANAGERS.

e trial of the action of the Callao Bis Gold Mining Company v. s, which has been before Mr. Justice North in the Chancery ght to a c night. The plaintiffs sued for the recovery of certain amounts ited by the defendant in the company's accounts for household enses for himself and staff in Guayana, Venezuela, which allowesses for himself and staff in Guayana, Venezuela, which allowesses were not included in the company's agreement. The defend-pleaded ratification of his acts by the directors and the custom his country, and further counterclaimed for the balance of salary to him on his agreement, and 5000l. damages for illegal dismisfrom his office as engineer and agent for the mine. Mr. Barber, and Mr. Latham (instructed by Messrs. Heritage and Co.) were alsel for the company, and Mr. Treeve Edgcome and Mr. Todd structed by Messrs. Lewis and Lewis) appeared for the defendant. the company, Mr. Davis (a director), Mr. Ronaldson (the Chaira), and Mr. Thornton (the secretary), were called as witnesses in port of the plaintiffs claim, and for the defendant, Mr. Downes I his wife, and Mr. Scotbangh (the accountant in Venezuela) gave n on Thurs The plaintiffs sued for the recovery of certain amounts port of the plaintiffs claim, and for the defendant, Mr. Downes I his wife, and Mr. Scotbaugh (the accountant in Venezuela) gave dense that the accounts had been approved of, and Mr. Wright a secretary of the Chile Gold Mining Company) to the effect that castom of the country sanctioned these allowances being made. Long correspondence between the defendant and the board was it, showing acts of insubordination, on which the directors justic, showing acts of insubordination, on which the directors justice, and a figure acts of insubordination, on which the directors justice, and a figure acts of insubordination.

tified their dismissal of the defendant, while for the defendant it was pleaded that his acts were justified by certain proceedings which had been taken in Venezuela, consequent upon a disagreement between the defendant and Mr. Davis, which had been sent out by the board at the instigation of the defendant to report on the workings of the mine. [The learned Judge in an elaborate judgement ordered a declaration to be made of the account (which will be gone into in chambers), dismissed with costs the defendant's counter claim in respect to damages, and ordered the payment of his salary up to the time of his dismissal. The Judge further added that there was nothing in the evidence to show that the defendant had wilfully intended any irregularity in the mode of keeping the company's accounts? and Mr. Barber, on behalf of the company, intended any irregularity in the mode of the defendant the defendant that the company desired no imputation whatever to be made upon the engineering ability of the defendant.

duced an average of 45 per cent. of zinc. Ten tons sent as a sample to the Société du Zinc Français have vroduced after calcination to the Société du Zinc Français have vroduced after calcination to the Société du Zinc Français have vroduced after calcination. This ore has been acknowledged as being of an excellent quality."

The company have without doubt a good field for operations, and the directors propose that the shareholders shall enjoy three profits, that from working the company's calamine mines, that from producing copper and spelter ingots direct from the ore, and that from converting the ingots into malleable copper and zinc by rolling. The board of directors includes the names of men of sound business experience—such as Sir Joseph M'Kenna, M.P., Sir Walter Blount, and Mr. Rennie—so that no fear need be men of sound business experience—such as Sir Joseph M'Kenna, M.P., Sir Walter Blount, and Mr. Rennie—so that no fear need be carried on with energy and judgment, and to the satisfaction of all concerne

SHAREHOLDERS' SMELTING COMPANY. NEATH HARBOUR SMELTING AND ROLLING WORKS.

The almost fabulous profit realised by the smelters has been a subject of constant complaint among miners for many years past, and the suggestion that the miners should smelt their own ores and thus secure their fair proportion of that profit has frequently been put forward, especially in times of depression, when the miners, of thus secure their rair proportion of that profit has trequently been put forward, especially in times of depression, when the miners, of course, feel the hardship of their position more acutely than when the metal trades are prosperous. The suggestion has hitherto not been carried out, owing probably to the circumstance that few were disposed to subscribe the necessary funds with the knowledge that they must await profits during the comparatively lengthened period required for the erection of the works. On the Continent the system of combining the mining and smelting business is quite common, and the results are almost invariably satisfactory, and the first substantial test of the principle in this country has certainly been most encouraging. The Cape Copper Company felt that they were not obtaining so good a price for their ore as they were entitled to, and, therefore, availed themselves of the opportunity of purchasing an existing copper works in South Wales, and during the first year of its smelting operations, and upon the smelting of only half their ore, they obtained a profit equal to the total sum paid for the purchase of their works, an equally favourable effect being produced upon the market price of the shares, the comparison of the quotation at the time they commenced smelting and parison of the quotation at the time they commenced smelting and at present, showing an improvement of fully 50 per cent., whilst such is the prosperity of the concern at the present time that the last quarterly dividend and benus paid amounted to 30s. on the 8t. share,

quarterly dividend and benus paid amounted to 30s. on the 8l. share, being at the very satisfactory rate of 75 per cent. per annum, which, by the way, was paid free of income tax.

A similar enterprise is now about to light up its furnaces, and it is confidently believed that the results will be equally satisfactory. Within a mile of the Cape Copper Company's Works, just referred to, are the celebrated Crown Copper Smelting and Spelter Works, and these are now to be taken over by an influential company—the NEATH HARBOUR SMELTING AND BOLLING WORKS—to the formation of which, with a capital of 150,000l., in shares of 5l. each, reference was made in last week's Mining Journal. The purchase includes the Crown Works, and the concession of the famous Gorno calamine mines, about 800 acres in extent, and situated in Italy, in the province of Bergamo; they are estimated to contain, without calculating new seams, 420,000 tons of ore, whilst a further concession gives the right to explore over about 200 acres more. It will be seen from the new seams, 420,000 tons of ore, whilst a further concession gives the right to explore over about 200 acres more. It will be seen from the prospectus in another column that it is now proposed to issue 100,000l. of Twelve per Cent. Preference Shares of 5l. each, one-fourth of the amount being payable up to allotment, and the balance as required, whilst the statement of expenditure and returns shows that not only is there ample to cover the preferential 12 per cent., but to yield 12 per cent. for the deferred shares; and a further 12 per cent on the two classes (for they both rank equal after each has received 12 per cent.) of shares, and still leave a surplus of about 11,000l. per annum available for dividend, reserve fund, sinking fund, or otherwise for the benefit of the shareholders. The aggregate purchase money for the copper and spelter works, and the interest in the calamine mines is \$5,000l.; whilst Messrs. Horne and Eversfield, in their report on the copper and spelter works alone, estimated that "not far short of is 55,UULL; whilst Messrs. Horne and Eversheld, in their report on the copper and spelter works alone, estimated that "not far short of 100,000L must have been expended upon the works," and that Mr. F. Bennet, C. E., places a present value on the property of "110,000L, exclusive of 20 acres of land suitable for building purposes."

The Neath Works are admirably placed for easy and cheap transport, having over two-thirds of a mile quay frontage in Neath Harbour, at which yessels of large tennage can disabage ore direct into

bour, at which vessels of large tonnage can discharge ore direct into works, thus avoiding the great expense incident to transhipment lighterage incurred by nearly all the other smelting works in kingdom. In addition to the dock frontage the works are intersected by the Great Western Railway and by the Tennants Canal, both of which communicate with the New East Dock, Swansea. Neath Harbour possesses also complete connections with the Great Western Railway, the Neath and Brecon Railway, and the South

Western Railway, the Neath and Brecon Railway, and the South Wales Mineral Railway.

The coal used in the smelting operations is obtained from a colliery immediately adjoining, and is delivered direct into the works over self-acting inclines, thus effecting a great saving in carriage. The works and about 33 acres of land are held under a lease, of which 3 years are unexpired, at a ground rental of 495l. per annum. There is ample space for extension of the works beyond those improve-ments now in contemplation. At the present they are capable of turning out 10,000 to 20,000 tons per annum, according to the per-centage of ores treated. The directors propose to erect a complete set of rolling-mills, with all the necessary appliances of the best de-scription, which when erected, will enable this company to earn greatly exhanced profits. Sortler or newcourt vine is largely used. greatly enhanced profits. Spelter or unwrought zinc is largely used in the form of sheet zinc, and for galvanising iron, also for the purpose of manufacturing yellow metal, brass, &c. The large consumption of spelter is well known, yet the manufacture has been so much neglected in this country that a large proportion of that used is of foreign make; so that it is reasonable to suppose that a company smelting in Great Britain the zinc ore from its own mines could smelting in Great Britain the zinc ore from its own mines could

smelting in Great Britain the zinc ore from its own mines could scarcely fail to realise large profits from that source alone.

With regard to the Gorno mines the concession is granted in perpetuity by the Italian Government, subject to a fixed yearly tax of 81., and also 52. 12s. per annum out of the profits of the workings. Carriage of the ore from the mines to Genoa, including the cost of putting the ore on board vessel, is 18s. per ton, and, together with the cost of extracting and of calcining, is calculated at about 27s. per ton. The of extracting and of calcining, is calculated at about 27s. per ton. The report of Mr. L. de la Souchère is an elaborate one, but is most amusingly translated by an English notary most imperfectly acquainted with the mining technicalities used. A few extracts will be worth with the mining technicalities used. A few extracts will be worth reprinting for their comicality. After stating that the mines were worked many centuries ago and the ores smelted at Milan, the translator continues:—" Some documents prove that 80 furnaces for zinc existed in that town. The old works, which were very irregular, and existed in that town. The old wor composed of labyrinths, go-down falls, ramp cleared by the present owner, and have supplied him with a large quantity of ores left by the ancients, who probably preferred a special quality of a more easy fusion. The excavation of those works extended over considerable spaces, and have cost very much by reason of the difficulty of the carriage inland. That labour has been of much use in enabling one to discover a great number of layers of ores of a strength varying from 0.20 to 1 m.50 and even more. They are perceptibly of a F.O. aspect, and incline towards the south—that is to say, towards the Rizio. Their declivity is more rapid than the hill. Those layers are traversed by an almost vertical lode of blende and semi-blende, in some places mixed with calamine, to which is added a thin lode of lead slightly auriferous. The until now very restricted works, owing to the want of sufficient capital to develope the same, have produced merely about 100 tons per month, which is sold on the spot, not without some difficulty, from 30 to 40 fr. per ton, according to the market price of zinc. This price would be more remunerative if the owner could calcine those ores, which would increase their substance and lessen the cost of carriage. Those castom of the country sanctioned these allowances being made. long correspondence between the defendant and the board was in, showing acts of insubordination, on which the directors justices, and hydrates of a very least treatment. Several analyses on samples taken by me have pro-

MINES AND MINING IN THE UNITED STATES OF COLOMBIA.

Public attention having been drawn in many ways during the last year or so to mines and mining in Colombia, it is interesting to know something about what has been recently published there respecting the mineral resources of the country. Amongst the most important notices is a work by Señor Vicente Restrepo, entitled "Estudio sobre las minas de oro y de Plata de Colombia," which has been published by the Government (Bogota, 1884), and forms the March number of "Andes de la Instruccion Publica" for 1884. As may be imagined the book cannot by any classification come under may be imagined the book cannot by any classification come under the head of light literature, yet the dry facts therein set forth are both surprising and of a deeply engrossing nature; for—wherever else in the world gold and silver are supposed to exist—there is not else in the world gold and silver are supposed to exist—there is not a shadow of doubt that they have been extracted in immense quantities from the soil of Colombia, both since the Spanish Conquest and for ages before. Yet notwithstanding this enormous yield of treasure there is no present indication that the supply of precious match will coars. netals will cease

would be difficult to say which of the nine States comprised in It would be difficult to say which of the nine States comprised in the Republic is the richest; but Antioquia, the Cauca, Tolima, and Panama take the foremost rank. Our author would award the palm to Antioquia, where, according to him, "the ground is most mountainous and very rich in gold. Countless veins of the precious metal cross the mountains, and the beds of the rivers form an uninterrupted series of alluvial deposits. . . . But the regions watered by the rivers Porcé and Neché (whose sands are truly grains of gold) and by their tributaries, are incontestably the richest of all."

Soldiers of the Conquest, governors of the state, travelling priests, Soldiers of the Conquest, governors of the state, travelling priests, historians, and oral traditions, all agree in reporting the mountain of Baritica to be fabulously rich. "Santa Rosa... is built upon a hill of alluvial deposit of the finest gold. In the streets of Remedios broad veins of quartz-bearing gold crop out. Zaragona, Zea, Cruces, Amori, Campamento, Yarumal, Angostura, and Amalfi, are surrounded by the richest tracts of mineal wealth... From this opalent region more than half the gold produced by the State is extracted." If would be wearisome to follow all the various and minute particulars which are given of the mines in this State. Suffice it to say, that almost in every spot where gold has been searched for the result has been satisfactory, and Antioquia has yielded, as its quota to the wealth of the world, \$252,000,000 since the middle of the 16th century. Although there is only one silver mine actually at work in this State—that of Zancudo—Antioquenian gold contains silver in large quantities, but the proportions vary to a greater ex-

silver in large quantities, but the proportions vary to a greater ex-tent than in any other country.

There are four different classes of alluvial deposit in Antioquia:— "1. Those in the banks of existing rivers.—2. The beds of old water-courses.—3. Mines on the sides of hills which have been left through the gradual deepening of the river-bed.—4. Those at an elevation These latter have been caused by an upheaval of above the rivers

baccas, and Supia, are certainly extremely rich in mineral wealth.

"In 1772 . . . 4756 slaves were working in the gold mines of the province of Popayan . . . The approximate annual yield from the Choco mines at the beginning of the last century was \$1.000,000, and that of Barbaccas, then the centre of the Cauca, between Cali and Almacquer, \$400,000."

The opinions with regard to the Choco of foreigners who have travelled in Colombia have been carefully collected, and occupy a chapter apart, which treats specially of the Choco mines. Some of these foreigners (amongst whom are the late Baron Humboldt and Colonel Codazzi, chief of the Geographical Commission to New Granada, drew attention, both on account of their high attainments Granada, drew attention, both on account of their high attainments in science, and also because their motives were thoroughly disinterested. The same cannot, unfortunately, be said of all the writers, native and otherwise, who are quoted in this work, as many have used the opportunity given to them in an official publication merely to puff up districts and mines in which they were personally concerned, whilst depreciating other places with which they are not connected, therefore, little religiones can be put more than experient onnected; therefore, little reliance can be put upon the remarks of

State of Tolima lies between the Central and Eastern Cordilleras of the Andes and the River Magdelena. All this district is re-markably rich in gold deposits, in gold-bearing quartz, and in rivers which wash down auriferous sands. The names of Mariquita, Ibagué, and La Plata are well known far beyond the limits of Colombia as gnating localities justly celebrated for their silver mines. Nearly these mines are now abandoned, but their past opulence is a and these limines are now abandoned, but their past opinence is a matter of history, and their future prosperity a question of time and industry, for there are no signs that the mineral is exhausted. The Santa Ana Mine, the Tolima Mining Company's mines, Malpaso, Orita, and others, are mentioned of course, but no further particulars are given beyond those with which our readers are no doubt already

The next State considered is Panama, from whence came the first gold ever brought from the country. Great quantities have since then been extracted from the Isthmus, and recent English, German, French, and American explorers unite in testifying to the incalculable wealth locked up in the mountains, and intermingled with the his-toric sands of Darien.

There are early notices of rich mines, both gold and silver, in the

State of Bolivar, but they have not been prosecuted very successfully. In Cundinamarca only one gold mine worthy of the name has ever been discovered, and it lasted but a short time. The mineral wealth of the State lies principally in salt, iron, and copper. Bo is said to produce scarcely any of the precious metals, but emerald, iron, and copper mines. In Santander is the facthe famou Paramorico, from whence, in one day, a single Indian got \$1000 worth of gold. Many ether celebrated mines have been worked in the same State, and history is full of records of what has been produced from them, though nothing has been done there lately. Magdalena is, in all probability, the poorest of the Colombian States with regard to minerals, although there are indications of gold in most of her to min

It must naturally occur to anyone who looks back to the records of the past riches of Colombia, that an explanation—if not an apology—is needed for its present comparative poverty, and the abandoment of such a large number of world-renowned mines. All this is gone into at some length in the pages before us, and the various reasons given for stopping the mines may be summed up shortly—1. Wars—first with the aborigines, then with the Spaniards, finally with each other.—2. Want of labourers, from the failure of the Indian race, and high price of negroes.—3. Difficulties in carrying on works at great depths.—4. Insufficient means of communication with the coast.—5. Ignorance of proper methods of treating the ore.

A monograph on the Indian guacas (graves) by Dr. Manuel Uriba

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more valuable to the archeologist than to the miner-is repro duced in the volume, reports to them abo whole, is a welcom extracts from letters of the Viceroys, and the mines, conclude a work which, on the dition to our knowledge of gold and silver owever, some inaccuracies and occasional mis thements, but are not always easy to avoid, as particulars of the must free are, in one volume.

aware, in one volume.

They are not well arranged certainly, and the author seems to have found his materials rather unmanageble, for he constantly recurs to a subject in a desultory way instead of putting all his information on that particular subject under one heading. Neither is there an index, which sin of omission it is hard to forgive the compiler of a book of reference. But these are faults which, no doubt, will be remedied in the next edition, and meanwhile we must heartily congratulate Senor Restreps on the diligence with which he has laboured, and on the patriotism he has displayed in spending so much time and thought to serve his country in the truest and wisest way by encouraging peaceful arts and undertakings, where the victories will be not one's fellow-citizens but over Nature herself.

MINERAL RESOURCES OF NEW SOUTH WALES-No. I.

The annual report of the Department of Mines, showing the progre of mining in the colony during 1883, for which we are indebted to the Minister for Mines—the Hon. J. P. Abbott, M.P.—was laid before both Houses of Parliament, at Sydney, on June 5. The Under Secretary reports that the number of applications to lease Crown land for mining purposes made during 1883 was 794 as against 1166 made during the preceding year. Of the 794 applications 310 were for autriferous land and 484 for mineral land. The number of applications dealt with during 1883 was 1194 as against 896 dealt with during 1883 was 194 as against 896 dealt with during 1 dealt with during 1883 was 1194 as against 896 dealt with during the preceding year, being an increase of 298. This increase is pro-bably due to the change introduced in regard to the survey staff, the ork being chiefly done now by staff surveyors employed by the fining Department, and to the use by them of a new field book, thich enables them to forward to the department field notes of their surveys without delay. The plans are prepared in the department immediately upon receipt of the notes, by which means the serious delays in furnishing plans of surveys, which formerly proved such a fruitful source of annoyance, have been avoided. Further efforts are being made to expedite the work of the charting branch, which, when complete, will probably enable the department to deal with applications to lease with such reasonable expedition as will remove the complaints concerning the issue of mining leases. Of the 1194 applications to lease with such reasonable expedition as will remove the complaints concerning the issue of mining leases. Of the 1194 applications dealt with in 1813 620 were for gold mining leases, comprising an area of 4443 acres, exceeding the area of the applications dealt with in 1882 by 2085 acres; and 574 were for mineral leases, comprising an area of 16,959 acres, exceeding the area of the applications dealt with in 1882 by 214 acres. The aggregate area applied for in 1883 is less by 2298 acres than that applied for in 1882. The decrease is chiefly in gold, coal, copper, and tin. The increase is chiefly in shale, diamonds, silver, and lead. Bismuth and cobalt, which did not appear in the list for 1882, are included in the list for 1883. The area under application for lease at the end of 1886 ex-The area under application for lease at the end of 1889 ex ceeds the area at the end of 1882 by 145 acres. The aggregate area under lease at the end of 1883 exceeds that at the end of 1882 by 1539 acres, the increase being in the areas held for mining gold, tin, and manganese, while the areas leased for mining coal, antimony bismuth, copper, slate, and silver have decreased. The number of applications under the 28th section of the Mining Act for permission applications under the 28th section of the Mining Act for permission to mine upon or under reserved lands received during the year 1883 is 395, and the number of such applications dealt with during the year is 518. In the bulk of the cases the authorities in respect of the above areas had not actually issued prior to Dec. 31 last. The aggregate area comprised in the authorities granted in 1883 exceeds that of the previous year by 42,646 acres.

GEGLOGICAL SURVEY.—During the year the geological surveyor in charge, Mr. C. S. Wilkinson, F.G.S., F.L.S., has devoted much attention to the replacing of the valuable collection of minerals, fossils, and geological works destroyed in the Garden Palace; and I

fossils, and geological works destroyed in the Garden Palace; and l am happy to say his labours have been attended with considerable success, though, unfortunately, no suitable building has yet been secured in which the collection can be exhibited. The want of a secured in which the collection can be exhibited. The want of a suitable building for a museum occasions much needless labour to the geological staff, inasmuch as the specimens of minerals and fossils, on receipt have to be packed and stowed away instead of being arranged in cases for display. The collections of the Mining and Geo'ogical Museum have considerably increased, 6659 specimens having been registered during the year, making the total number received since the fire at the Garden Palace, 9371. These include a new received since the fire at the Garden Palace, 9371. These include a ceived since the fire at the Garden Palace, 3371. These include a very complete suite of tin ores and associated rocks, collected by Mr. Wilkinson and his assistant, Mr. David, during their examination of the New England tin fields. From the Inspector of Mines (Mr. Slee), and other offices of the department, as well as from private contributors, many specimens have been received. During the year a large collection, illustrating the mineral resources and the geological features of this colony, was prepared in the department by Mr. Carne, the curator, under the direction of Mr. Wilkinson, and was forwarded to the Calcutta Exhibition. A geological map, with sections of part of the Forest gold field, from the survey of and prepared by Mr. H. Y. L. Brown, has been recently issued by the geological surveyor in charge. The printing has been admirably executed in the lithographic branch of the Surveyor-General's department. This map is of special value in showing the unprospected areas of basaltic country beneath which auriferous beds are likely to be found. likely to be found.

During the year the geological surveyor in charge, in company with Mr. Geological Surveyor David, B.A., F.G.S., has made an examination of the New England tin fields, of the antimony lodes at Hill-grove, near Armidale, and of the bismuth lodes at Kingsgate and Hogue's Creek, near Glen Innes. Mr. Wilkinson, also in company with the Inspector of Mines, examined the reef in the Great Victoria Amalgamated Gold Mining Company's mine at Adelong, and supervised the breaking down and testing of 3 tons of quartz from a depth of 1030 ft, in connection with the claim of the company to the rewar of 1930 ft. In connection with the claim of the company to the reward of 500L for the discovery of payable gold in quartz below the depth of 1000 ft. This duty was performed by Messrs. Wilkinson and Slee with the greatest care, and resulted in the claim to the reward being recognised by the department. At the instance of Messrs. Augustus Morris and George Rankin, who were deputed by the Government to report upon the state of the public lands, Mr. C. S. Wilkinson, recological surveyor in charge, furnished a report upon the prospects geological surveyor in charge, furnished a report upon the prospects of obtaining fresh water below the surface in the districts between the Lachlan and Darling rivers, and beyond the Darling. This has already been published. Five geological formations have been described in which underground water may be found, and it is pointed out that artesian water will probably be obtained within the cretaceous area, which comprises about 32,000 square miles, and which is naturally devoid of permanent surface water; but within the area occupied by the palæozoic formations, which with few exceptions are of an impermeable nature, the supply must chiefly depend upon the rainfall conserved in tanks and dams.

During the year Mr. Geological Surveyor Pittman made inspections in the Muttama, Mount M'Donald, Carcoar, Cowra, and Mount

Victoria districts. He also examined and reported upon Broughton Island and the Yalwal gold field, but a part of his time during the year has been devoted to the duties as Chief Mining Surveyor. Mr. Geological Surveyor David, since his examination in company with the geological surveyor in charge, has been engaged upon a detailed survey of the alluvial leads and the lodes of the Vegetable Creek tin relating district. The caves which are under the surveyiagen of the mining district. The caves, which are under the supervision of the geological surveyor in charge, have during the year received considerable attention, and are, under his direction, gradually becoming more attractive to visitors, additional improvements having been made during the year, with a view to the preservation of the beautiful natural objects in them, at the same time adding to the convenience of visitors. The number of visitors to the Fish River Caves

during the year was 603. Towards the end of the year steps were taken with a view to the making of improvements at the Wombeian with a view to the making of improvements at the Won which it is hoped will soon prove attractive to visitors. ING SURVEYS.—During the year Mr. E. F. Pittman, one ical surveyors, was appointed Chief.

Caves, which it is hoped will soon prove attractive to visitors.

MINING SURVEYS.—During the year Mr. E. F. Pittman, one of the geological surveyors, was appointed Chief Mining Surveyor, and under his direction considerable progress has been made in clearing off the arrears of surveys, and he has made such arrangements as it is thought will in future secure the measurement of parcels of land applied for to lease within a reasonable time after the application has been lodged. Of course, the vast extent of territory over which our mineral deposits are distributed, and the isolated position of some of the areas applied for, present difficulties not easily overcome with so small a staff of surveyors as that employed by this department; but the Surveyor General is always most ready to render us every assistance in the way of allowing the surveyors under him to measure parcels of land for mining purposes, if by that means the work can be more speedily performed than by the surveyors on the staff of this department. The Chief Mining Surveyor has also devoted considerable attention to the work of the charting branch of this department, with a view to clear off the arrears of work, and to secure promptitude in dealing with applications to lease, as well as applications under MINING SURVEYS. with a view to clear on the arrears of work, and to secure prompt that in dealing with applications to lease, as well as applications under the 28th section, and I feel confident that if supported in his efforts he will soon succeed in removing one of the chief objections to the leasing system—the delay in dealing with the applications to lease. Should my anticipations in this direction be realised it will not only Should my anticipations in this direction be realised it will not only be a source of gratification to the department, but it will tend to encourage mining enterprise. Prior to 1683 I have not been in a position to publish the number of surveys made under the Mining Act in any one year, and the advantage of such publication would not have been of the same importance for purposes of comparison, as now that the greater number of surveys are made by staff surveyors connected with this department, but the number made in 1883 is as nearly as can be ascertaised 620. In future I hope, with the aid of the Chief Mining Surveyor, to be able to compare the labours of the surveyors during the year to which my report refers with the work of surveyors during the year to which my report refers with the work of preceding years. The thanks of the department are due to Mr. C. years. The thanks of the department are due to Mr. C. on, for having undertaken and ably performed the duties

S. Wilkinson, for having undertaken and ably performed the duties of Chief Mining Surveyor in addition to his own as head of the geological staff prior to the appointment of Mr. Pittman.

LOCALITY MAPS.—There are probably about 4000 parishes in this colony of which no maps have yet been published. Many of these parishes are within gold or mineral fields, consequently, even if parish maps could be used for locality maps they would not in those cases be available. This department had already, prior to 1883, compiled and published 26 locality maps in parishes, one locality map embracing seven parishes, six locality maps of principal gold fields, and two sketch maps of gold fields.

ROADS, STREETS, AND GATES.—The work performed by the officers of the roads branch during the past year, under the direction of Mr.

of the roads branch during the past year, under the direction of Mr. Herring, the chief clerk of the department (Mr. R. H. Ormiston being the head of the branch), has been highly satisfactory. Mr. Ormiston and the staff under him not only deal with the proclamation of new roads, the alignment of new streets, and the granting of public gates, but also the preparations of parliamentary returns and the superrision of the advertising.

DIAMOND DRILLS AND WATER AUGERS.—During the year the diamond drills have been fully employed, chiefly in boring for coal and water. The work done has on the whole been satisfactory, notwithstanding that in consequence of the serious illness of the superintendent, during the latter part of the year, the department was deprived of his valuable services. The want of the vigilant was deprived of his valuable services. The want of the vigilant supervision which the superintendent exercises over the work has been felt in the extra cost of some of the bores put down during his absence, and the extra cost of these bores has detracted somewhat from the year's results. Nevertheless, as will be seen by reference to the superintendent's report, we have proved coal in five different bores—At Dora Creek, near Cooranbong, 6 ft. 3½ in.; at L. T. Creek, Lake Macquarie, in the aggregate, 23 ft. ½ in.; at Teralba, Lake Macquarie, in the aggregate, 40 ft. 11 in.; at Stanwall Park, near Bulli (two bores), in one the seams measured, in the aggregate, 31 ft. 2½ in., and in the other 8 ft. 3½ in., making a total of 109 ft. 9½ in. of coal bored through, and the core saved is equal to 78·71 per centum of the coal pierced. At Wyong Creek, about 12 miles south of Gosford, a coal seam of 3 ft. 3½ in. in thickness was discovered at the end of the year 1882. The total depth bored during the year is 6643 ft. 7½ in., and the average cost per foot to the public was 13s. 7½d., the size of the bores being 2½, 2¾, 3¾, 3¾, and 4½ in. in diameter. Three bores in search of water were comand 4½ in. in diameter. Three bores in search of water were completed during the year, water being found in each; the fourth bore was in progress at the end of the year. While boring for coal on the west side of Lake Marquarie a supply of fresh water was tapped at a depth of 197 ft., which rises to a height of some 30 ft. above the surface, which is 20 ft. above the lake level. The point at which the water was tapped is therefore considerably below sea-level. One bore in search of a deep alluvial deposit of tin was not successful. This is specially to be regretted, as in the district where the drill was employed there is a very large extent of country containing deep deposits of stream tin requiring to be prospected, in which a drill should be of great service. The want of success in this particular case was probably due to the absence from duty of the superintendent. During the year attempts were frequently made to induce the miners on some of our gold fields to employ the drills in country suitable to them, but the want of co-operation prevented the drills being so employed. There is, however, reason to believe that one or more will be employed during 1884 in search and 44 in. in diameter. Three bores in search of water wented the drills being so employed. There is, however, reason to believe that one or more will be employed during 1884 in search of deep alluvial leads. In the absence of a demand for the use of the drills elsewhere they have been well employed in proving our

With coal measures occupying 23,950 square miles, and with such deposits of coal as we possess in this colony, and with an outpu deposits of coal as we possess in this colony, and with an output exceeding 2,500,000 tons per annum and rapidly increasing, it is difficult to conceive how, under all the circumstances, the drills could have been much better employed than they were during the past. In addition to the good work done by the drills, the sections of the bores and the cores obtained therefrom not only furnish useful information to the public, but are of very great value to the Geological Branch of the department. Indeed if the cores obtained had to be paid for at the same rate as the core obtained from the bore on the Sutherland Estate, near Port Hacking, which was purchased by the department for the sum of 550l in 1880, the cores obtained by means of the Government drills would represent a considerable money the Government drills would represent a considerable money use. At the commencement of the year the department had five ter-augers. Three of these had been forwarded to Bourke for the purpose of boring for water on the line of road from Bourke to Ti-booburra, one had been forwarded to Girlambone and one to Gran-ton, but no work of any moment had up to that time been done. During the year four additional augers have been purchased, and the following work has been done:—On the Bourke line the first bore 18 miles from Bourke, 194 ft. sunk, 4 in., in w was found at various depths; the second bore was sunk near the first 198 ft. 3 in., and with similar results; the third bore, 34 ft. 6 in., in which a small supply of fresh water was found in a drift; the fourth bore was sunk, 51 miles from Bourke, 89 ft. 2 in. in which fourth bore was sunk, 51 miles from Bourke, 89 ft. 2 in. in which a small supply of fresh water was struck at depths of 30, 61, and 70 ft. respectively; the fifth bore was sunk near the fourth 103 ft., wherein a supply of good fresh water was obtained 80 ft., running at a height of 8 ft. over the surface, at the rate of 60 gallons per hour; the sixth bore was sunk near the fifth 198 ft. 3 in. At a depth of 122 ft. 6 in. in this bore a supply of good fresh water was obtained equal to 600 gallons per hour. This bore was in progress at the end equal to 600 gallons per hour. This bore was in progress at the end of the year, but early in 1884 boring was discontinued at a depth of 200 ft.8 in. From this bore 600 gallons perhour of good fresh water is running from the pipes, and spouting at a height of 10 ft. above the surface. Total cost of these bores is 1807L, including 504L for carriage of plant from Sydney to the scene of operations. Very great difficulties have been experienced on this line, owing to want of feed and water for the horses, and the trouble occasioned by the wild horses, added to which much time is necessarily lost in sending to Bourke for supplies, repairs, &c., in consequence of which it was found impossible to carry on more than one bore at a time, and the cost of boring was necessarily very much ingreased. At Girilambone much time was lost in searching for a suitable site for boring. The first bore was sunk 155 ft. 6 in., at which depth salt water fit for stock was found; the second bore, 126 ft., salt water struck at 116 ft. the third bore, 100 ft. 3 in.; the fourth bore, 112 ft. 6 in. In the third and fourth bores no water was met with. The total control of the second sec

After the auger first sent to Grafton had been some time at wo was found necessary to send a second. Great difficulties were erienced in boring at this place on account of the drifts, &c., m perienced in boring at this place on account of the drifts, &c., met with, and the consequence was very slow progress. Two bores, sunt to depths of 46 ft. 3 in. and 46 ft. 6 in. respectively, had to be abae. doned without any results; the third bore was carried down to a depid of 171, and was still in progress at the end of the year. The wort at this place was considerably delayed in consequence of them being no tubes in the colonies sufficiently strong to support the bore, and artesian tubes had to be imported from Scotland. The total cost of the work at Grafton to the end of the year was 4151. 18s. 10d., including cost of carriage. In the month of February boring was commenced at Gunnedah for the purpose of supplying the town with water. The following trial bores were sunk:—The first, 53 ft.; the second, 25 ft.; the third, 23 ft.; the fourth, 40 ft. 11 in.; the fifth, 59 ft. 9 in.; the sixth, 40 ft. 6 in.; the seventh, 30 ft. the fifth, 59 ft. 9 in.; the sixth, 40 ft. 6 in.; in each of which fresh water was found but not in sufficient quantity, but from the results water was found but not in sufficient quantity, but from the results water was found but not in sufficient quantity, but from the results obtained the superintendent was enabled to select a site at which a bore was sunk to a depth of 132 ft., from which a supply of fresh water is obtained for the use of the town. Total cost 241l., including carriage of plant 32.

water is obtained for the use of the town. Total cost 2411., including carriage of plant 331.

In the month of November last an auger was sent to Dungrell's Sandridge Reserve, on the road from Collarindibri to the Narras, known as the Sixty-mile Track, the object being to find a supply of water for travellers and stock on that line of road. At the end of the year the born hed, reached a death of 100 feet. water for travellers and stock on that line of road. At the end of the year the bore had reached a depth of 100 ft. 3 in., still in progress. Total cost, 372l., including 300l. cost of removing plant from Girliambone. On Nov. 14 last an auger was sent to Gorian Station, near Narrabri, to bore for water under the published conditions. Up to the end of the year 83 feet had been bored, and the work was still proceeding. In addition to the work done as aforesaid in boring for water, an auger was sent on Oct. 8 last to Aralue, to test the alluvial deposits in Messrs. Johnston and M'Gregorismine. Bores were sunk to depths of 24 ft., 24 ft. 6 in., 30 ft. 6 in, 7 ft., 41 ft. 3 in., and 41 ft. 5 in. respectively. The auger was employed under the published conditions. Sections of the bores sunk in search of water are carefully prepared, and the sites are sunk in search of water are carefully prepared, and the sites an planted upon a map of the colony, with particulars of the results ob tained, and as this information accumulates it will be immensely valuable for both scientific and practical purposes, not only in guiding the department in the further search for water, but in adding private enterprise in the same pursuit.

WORKMEN AND THEIR EMPLOYERS-No. II.

The whole question of strikes and lock-outs has been ably and conisely treated by a well-known American mining engineer-Mr Joseph D. Weeks—and his observations will be well worth study. Strikes and lock-outs, he says, are suspensions of work growing out of differences between employers and employed. Though it is customary to speak of all such interruptions of labour as strikes, some are more properly termed lock-outs, there being an essential differences between the strikes and the strikes are such as the st are more properly termed lock-outs, there being an essential difference between a strike and a lock-out. A strike is a suspension of work resulting from a dispute originating in some demand of the employed—a lock-out, in some demand of the employer. A stoppage of work, for example, resulting from a demand on the part of the employees at a works for an advance in wages, would be a strike—a stoppage resulting from a demand by the employer for a reduction would be a lock-out. An apparent exception to this definition is those strikes and lock-outs entered upon for the purpose of influencing the settlement of other strikes and lock-outs, as when workmen, who are satisfied with their own wages, cease work to assist in enforcing the demands of other workmen who are not satisfied, or when employers lock out their employees with whom they have no differences, dedemands of other worken who are not satisfied, or when employers look out their employees with whom they have no differences, depriving them of work and its wages for the purpose of preventing them from assisting striking workmen. In these and similar apparent exceptions, however, there is always a formal or implied demand. It is frequently difficult to determine whether a labour contest should be classified as a strike or a lock-out. Practically the distinction is of little importance except as it bears on the question of the relation. of little importance, except as it bears on the question of the relative tendency of employer and employed to take the initiative in these industrial conflicts. Unless, therefore, it is expressly stated to the contrary, the word strike in this article will include both strikes and

With regard to the classification of strikes, Mr. Weeks adopts substantially that of Sir Rupert Kettle, given in his Strikes and Arbitrations some 20 years ago. Strikes and lock-outs, he says, may be divided into three general classes. They are occasioned by—1, difference as to future contracts; 2, disagreements as to existing contracts; 2, 3, quarrels on some matter of sentiment. These contracts may be agreements more or less formal, or customs of the trade and methods of work and administration, which from long usage have the force of agreements. The first class named would include strikes arising from differences as to the present and future wages of labour; from attempts to change existing agreements, customs, or methods, or to introduce new ones. Disagreements under the second class would arise either upon matters of fact or construction, while quarrels of the third class grow out of the offended amour propers, either of the individual or the class. In the early history of labour troubles the causes of strikes are few. They arose chiefly from differences as to rates of wages, which are still the most fruitful sources of strikes, and from quarrels growing out of the dominant and serviant relationships of the dominant and serviant relationships of the dominant and serviant relationships. from differences as to the present and future wages of labour; from rates of wages, which are still the most fruitful sources of strikes, and from quarrels growing out of the dominant and serviant relations of employers and employed: While labour remained in a state of actual or virtual servitude there was no place for strikes. With its growing freedom "conspiracies of workmen" were formed, and strikes followed. The scarcity of labour in the 14th century, resulting from the Black Death, and the subsequent attempts to form men to work at wages and under conditions fixed by statute, were sources of constant difficulties, while the efforts to continue the old relation of master and servant with its assumed rights and duties. relation of master and servant with its assumed rights and duties, a relation that English law recognises to this day, were, and still are, the causes of some of the most bitter strikes that have ever occurred. With the rise of the craft-guilds, the opportunities for strik

were increased, and the list of causes enlarged. These craft-guild strikes rarely grew out of differences as to wages, but from dispute regarding presumed infringements of privileges, or innovations of trade customs, and were sometimes undertaken for the most trivial causes. The custom of blacklisting, or reviling, as it was termed, practiced by these guilds as a method of punishment, was also the trikes, the craftsmer fusing to constant source of strikes, the crattemen retusing to work for or reviled "master or with the "reviled" journeyman until he hal made atonement and been recognised as honourable by the guild. In many respects strikes growing out of modern Trades Unionism resemble those of the craft-guilds, which organisations are the precursors if not the parents of modern Unionism. In addition to the causes named, many of which are still as potent as ever, the changes that a product and of workput to said causes named, many of which are still as potent as ever, the charge in the relations of employer and employed, and of workmen to each other and to their occupations, arising from the modern organistion of labour and industry, have introduced new sources of discontent, and consequently increased the list of causes from which strikes may arise. The possible causes of strikes at the pressitine, therefore, are much more numerous than they were formerly, and the liability to trouble greatly increased. While this is true, a consolar polyvis of the various causes above that they can all be careful analysis of the various causes shows that they can all grouped under a few general heads. Strikes are caused by different as to—1. Rates of wages, demands for advances or reduction as to—1. Rates of wages, demands for advances or reductions, chiefly. 2. Payment of wages, changes in the method, time, or frequency of payment. 3. Hours of labour. 4. Administration and methods of work, for or against changes in the methods of work of rules and methods of administration, including the difficulties regarding labour-saving machinery, piece-work, apprentices, and discharged employees. 5. Unionism. 6, Miscellaneous, including

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rikes from matters of sentiment and a few others that admit of no

rikes from matters of sentiment and a few others that admit of no assification. In connection with the question of the cause of strikes, one naturally spects to find that they result most frequently from differences rearding rates of wage; but it is somewhat surprising that the next rivous matters of dispute are administration and methods of work, et such is the case. In an investigation into the strikes of 1880, and by Mr. Weeks for the United States Census, a classification of rikes according to causes showed the proportion per 1000 to be:— lates of wages, 716; administration and methods of work, 132; payient of wages, 43; Trades Unionism, 27; hours of labour, 8; mis-silaneous, 11; and cause not given, 63=1000. This exact proportion will not hold good for all years; but it is safe to assert that rikes growing out of disputes regarding rates of wages will always emore than 50 per cent. of the whole number of strikes. The pro-ortion of strikes arising from demands for advances or demands for duction—the two chief causes of difficulties connected with rates twages—will vary greatly in different years, depending chiefly upon he condition of business, demands for advances being more frequent a years of high prices, and for reductions in years of low prices, it he strikes arising from differences as to rates of wages, which gree reported upon in the above table, 86 per cent. were for advances, al 14 per cent. against reductions.

With regard to the conditions influencing the frequency of strikes, r. Weeks remarks that the information at disposal is too meagre, and what is available too fragmentary and inexact to justify the foreshaling of any universal laws as to their frequency, or any unconditional proposition as to their justice or policy. There are, however, ratin facts which a study of strikes and lock-outs seems to make ident. Considering, first, the conditions that influence their frequency, or any unconditional proposition as to their justice or policy. There are, however, we will also the summary of the sa

THE TIN TRADE.

Messrs. DZ MONCHY and HAVELAAR (Rotterdam, July 31). Messrs. DZ MONGHY and HAVELAAR (Rotterdam, July 31).—

"rim market has been quiet during the greater part of this month, and prices, though tending in buyers' favour, have not changed much since the opening, a demand has been regular, more especially for spot parcels, forward delies being only in limited request. Rather large parcels failing due were rise over to later delivery, operators feeling little inclination to part with interest, in the face of favourable statistics, together with moderate prices. Butch Trading Company's fourth sale in 1854 took place to-day, when II also Banca were sold from 50½ fl. to 51½ fl., average 51½ fl. Next sale will held towards the end of September. In Banca, transactions were confined to sery narrow compass, the high price, compared with Billiton, greatly intering with business. From 52 fl., we advanced to 52½ fl. and fell back to 51½ fl., sedeline bringing out more buyers. We now close 51½ fl. Billiton was largely at in during the latter part of the month. From 50 fl. prices declined to 5½ fl., which is our present quotation. A public of about 10,000 peculs will be held at Batavia on Friday, Aug. 29.

The position of Hanca tin in Holland on July 30, according to the Official tarns of the Dutch Trading Company, was—

1854. 1883. 1883.

	1884.	1883.	1832.	
Import in JulySlabs	3,319			
Total seven months	53,649	99,367	103,815	
Deliveries in July	6,500		7,280	
Total seven months				
Stock second hand			41,154	
Unsold Stock	61,149			
Total stock	106,450		114,387	
AffoatPeculs	9,000			
Statement of Billiton.	-,	.,		
Statement of Billiton, Import in JulySlabs	9,600	12,700	14,450	
Total seven months	47,933		80,751	
licitories in July	6.768		6,201	
Total seven months	59,600		53,720	
Stock	44,861	74,115	52,047	
Stock	15,000	14,000	11,000	
Quotation, July 31-Banca	5156 ff	57 % fl	6436 fl.	
Billiton	49 % fl	561/4 fl	64 % fl.	
These combined returns of Banca and E	illiton for 18	84, compared	with tho	86

IIII, exhibit—A decrease of the import for July of 238 tons; a decrease of by deliveries for the seven months of 2224 tons; a decrease of the deliveries for the seven months of 29 tons; a flower of the seven months of 29 tons; a tesse of the desired the stock second-hand of 379 tons; a decrease of the unsold stock Bitons; a decrease of the total stock of 1657 tons; a decline of the quotation

tons; a decrease or the control of May are as follows:—
Government Returns for the month of May are as follows:—
EXPORT OF TIN FROM MOLLAND.

841	OBA	U.F	Ma	W.		MONLE	P.	ve	Mon	the	1.
	1884		1883	. 1	1882.		1884.		1883.		1882.
GermanyTons	282		272		369		2077		1503		1494
England	656		2	***	20	*******	712		46		36
Belgium	65		80		94	*******	397		591		425
France	12		14		39		82		107		174
Hamburg	49		35		69		204		142		201
The United States	5		-	***	-	*******			133		19 89
Other countries	68		32	***	30	********	235	***	93		89
Total	1137	***	435		621		3372	***	2615		2438

lessrs. STRAUSS and Co. (London					
tistics of Tip:—	June 3				July 31,
	1884.		1884.		1883.
Straits and Australian, spot Tons	5,703				4,533
n landing	260	*****	466	*****	416
Straits, affoat	1,500		775		700
Australian affoat	1,117				
Banca, on warrants	924		1,416		1,380
Billiton, spot	1,313		1,402		2,316
afloat	1,309				853
Australian tin in Holland		*****		*****	-
tity afloat	1,280		1,990	*****	4,480
Prices of Straits and Australian	13,506	*****	13,783		15,828
Erices of Straits and Australian	882 15	*****	£83 0		£94 10
Deliveries during month in London	1,550		1,162		1,546
, Holland		*****	386	*****	459
lotal	2,033		1,548	*****	2,005

passats during the month from Straits to London 725 tons; from Australia medos 550 tons; from Lustralia to London 1725 tons; from Btraits medos 550 tons; from Australia to America, — tons. Banca in Trading pany hands and afloat, 2473 tons.

THE COPPER TRADE.

THE COPPER TRADE.

Items. HARBINGTON, HOBAN, and Co. (Liverpool, July 31).—
Ropper charters for second half of July were advised on July 16 as 3200 tons of which 100 tons bars and ingots, with 1200 tons furnace material for England 900 tons bars for the Continent. The price of bars was subsequently east at 16.5, and Exchange 31½d. During the early part of the fortnight animated, and in consequence of the small quantity of motal offering prices a site of the continent. The price of bars was subsequently animated, and in consequence of the small quantity of motal offering prices animated, and in consequence of the small quantity of motal offering prices animated, and in consequence of the small quantity of motal offering prices animated, and in consequence of the small quantity of motal offering prices animated, and 151, to 551, 5s, forward. We close firm at the higher rates, and 53, to 53, to 551, 5s, forward. We close firm at the higher rates, and 531, 15s, to 551, 5s, forward. We close firm at the higher rates, and 531 tons bell of the comprising—At Liverpool: 12 tons Peruvian ore (carbonate) spot, and 550 cm spellow quebrada and 332 tons fellow pellow quebrada and 332 tons fellow pellow quebrada and 170 tons Lialian ore (low produce) to arrive at 9s, 6d, per unit.—At 1803 cm 1803

Arrivals here during the fortnight of West Coast S.A. produce—Gallovidian, from Valparaiso, 94 tons bars; Tropique, 156 tons regulus, 100 tons bars, 110 tons ingots; Polestar, 50 tons bars; Eben, 150 tons bars; Cordillera, 643 tons bars, 185 tons ingots; Annie Fletcher, 97 tons regulus.—At Swansea: Edgar, from Carrisal, 704 tons regulus; Lota, from Tocopilla, 176 tons ores, 611 tons regulus; Pacific, from Chansrai, 629 tons regulus.

Btocks of copper (Chillan and Bollvian) in first and second hands, I'kely to be available, we estimate at—

	Ores.	Regulus.	Bars.	Ingots.	Barilla.
Liverpool		156	18,779	310	-
Swansea	323	2,242	4,155		-
Total	323	2.398	22.934	310	_
Representing about 24,388	tons fine	copper, age	inst 24,219	tons June	5 : against
26,245 tons July 31, 1883;	23,793 to	ns July 31,	1882; 31,6	2 tons Jul	v 29, 1881.
Stock of copper contains	d in other	r foreign or	e and Spar	rish precir	itate, 4212
tons fine, against 4014 to	ons July 3	1, 1883. 8	ock of Chi	li bars and	ingota in
Havre, 1435 tons fine, again	nst 2149 te	ons July 31.	1883. Stoc	k of Coro C	oro Barilla
in Havre, nil, against nil	July 31.	1883. Stoc	k of conner	other the	n Chill in
Havre, 285 tons fine, again	at 520 tor	a July 31 1	883 Stook	of Chill on	nnor affort
and chartered for to dat	e 8011 to	ne fine ac	minet 12 22	0 tonn Tol	pper anoat
Stock of foreign copper i	n London	object A	minus 15,25	Finance f	y 31, 1603.
4600 tons July 31, 1883.	n Tongon	, chieny A	ustranan,	ors cous u	ne against
TOUC COME DULY DI, 1993.					

BIRDSEYE CREEK GOLD MINING COMPANY.

BIRDSEYE CREEK GOLD MINING COMPANY.

The directors' report prepared for presentation at the meeting on Aug. 12 states that during the past year 5941 ozs. of gold have been obtained, realising 23,5094. 9s., at a cost of 15,4174. 9s. 11d., leaving a profit of 80914. 19s. 1d.; of this profit 41164. 3s. 10d., has been expended on the completion of the Uncle Sam works, leaving a net balance of 39754. 15s. 3d. This outlay of 41164, 3s. 10d. on the Uncle Sam claim represents dividends amounting to 5s. per share. A dividend of 1s. per share was paid in December last, and another of 2s. has been paid since the closing of the accounts. In the present position of hydraulic mining in California the proprietors will share with the directors the satisfaction they express that the profits have been devoted to the development of a "drift" claim, a system of working which is not it is believed likely to be interfered with.

The proprietors were informed by circular on Feb. 2s of the position of the debris question: "That in the test case of Edward Woodruft v. North Bloomfield Gravel Mining Company, et al.; lately argued before the United States District Court of California, a perpetual injunction has been granted against the defendants. This virtually puts a stop to all hydraulic mining in California." In order to avoid threatened litigation, and acting under the advice of the company's legal advisers in California, Mr. Goodwin stopped hydraulic washing on June 2s, pending an appeal to the Supreme Court of the United States, which it is believed will be made.

The directors congratulate the proprietors and themselves that by the adoption of this plan of working they have been relieved from a contingency which must have been inevitable had the company been solely dependent on hydraulic work; as it is Mr. Goodwin appears to anticipate profitable results for the future.

must have been inevitable had the company been solely dependent on hydraulic work; as it is Mr. Goodwin appears to anticipate profitable results for the future.

WEST KITTY—TREVAUNANCE UNITED—NEW KITTY.—The meetings of these three companies, which were held at St. Agnes, on Tuesday, were largely attended by Cornish and other shareholders, and everything passed off in the most satisfactory manner. As to West Kitty comment is scarcely necessary, inasmuch as the dividend of 12s. per share is about the best evidence the adventurers can have of the value of that particular property. A notable feature in connection with this mine is the rich quality of ton, whilst the selling price per ton is over 50%. At Trevaunance the the tin, and the cheap rate at which it is produced—about 24% per indications lare of no ordinary character. The discovery of the copper lode, which has been worth from 15% to 20% per fathom for the whole length of 15 fathoms driven, gives very considerable value to the property, but it becomes of very much more importance when it is borne in mind that this copper is in all probability the forerunner of a great course of tin in depth. The opinion of most practical Cornish gentlemen present seems to be that they are going to have another West Kitty, in Trevaunance. Anyhow, the prospects were considered sufficiently decided to warrant the purchase of an engine, for the purpose of paying for which a small call was made. In New Kitty the prospects seem extremely good, and the adventurers confidently hope they may meet with results similar to those obtained in West Kitty, without a very large expenditure of labour, and in a very much shorter period than they were obtained there. The able and carefully-thought-out statement of Mr. Couzens (which will be found in the report of the New Kitty meeting) was listened to with the closest attention and interest by the adventurers, who certainly have never before had the position and prospects of this mine so clearly and ably placed before them, At all three meetin

CHARLES MANBY, F.R.S.—It is with regret that we announce the death on Thursday evening, in his 81st year of Mr. Charles Manby, F.R.S., the much respected honorary secretary of the Institution of Civil Engineers. He was the eldest son of the late Aaron Manby, of the Horsely Ironworks, Staffordshire, and served an apprenticeship to his father. In 1820 he designed and constructed the Aaron Manby, the first iron steam vessel that ever made a sea voyage, and served as chief engineer on board. He superintendent the erection of gasworks at Paris, became one of the managers of the ironworks at Charenton, and remodelled the Creusot Ironworks. He then entered the Government service, and was appointed chief engineer of the tobacco manufactories for the French Government. In 1839 he became secretary of the Institute of Civil Engineers, and on resigning that post in 1856 was presented with a purse of 2000 guineas. He had the orders of several foreign nations conferred upon him.

OSCAR GOLD MINE.—Capt. Daw, the managing director in Norway, having again visited this property, has sent home some remarks, which appear in another column, and will be found very interesting. He says—"In washing samples every day, gold is found in nearly every sample. A sample I saw this morning washed from Hansen's lode showed splendid gold. This lode, with many others, when the property was sold to the company, was not known. All the gold that we have broken since you (the Chairman) were here, is from other lodes—not from Oscar shaft. . . . It certainly appears we shall have a great mine here." The erection of the machinery is going on with rapidity, and there is much work done towards the stamps and floors.

GAS SHARES.—The principal business in these shares, according to this evening's report of Messrs. W. L. Webband Co., of the Stock Exchange and Finchiane, has been:—Bombay (Limited), 54½; to 54½; Exitish Gaslight (Limited), 42; Buenos Ayres, New (Limited), 11½ to 12½; Continental Union (Limited), 67½; Gas Light and Coke, A, Ordinary, 219 to 220½; ditto, H, 7 per cent. Maximum, 147½to 148½; ditto, 7, 10 per cent. Maximum, 147½to 148½; ditto, 3, 10 per cent. Preference, 235½; ditto 8 per cent. Debenture Stock, 105½ to 105; Imperial Continental, 199½ to 201; Mauritius (Limited), 12½; South Metropolitan, A, 255 to 256; ditto, B, 210 to 222. Gas stocks easier. Rio, however, have improved 14.

INSURANCE SHARES have, according to this evening's report of Messrs W. L. Webb and Co., of the Stock Exchange and Finchiane, been dealt in as follows:—City of London Fire (Limited), 2½; Commercial Union 11½ to 15½; Employers' Liability Assurance Corporation (Limited), 1½; Imperial Fire, 149; Indemnity Marine, 15 to 15½; Liverpool, London, and Globe, 14.

Annuity, 22½ to 24½; Marine (Limited), 2½; Cozen Marine (Limited), 5½; Cozen Marine (Limited), 5½

the Journal.

RAILWAY AND GENERAL MARKETS.—Referring to the course of business done to-day during official hours (11 to 3) Mr. Ferdinand R. Kirk Birchinlane, writes:—Opening: American railway shares are again much higher, and have a firm appearance. When attention was drawn in the Mining Journal to Lake Shore and Central Pacific 445, Eries being 17, and Denvers 12%. Atlantic First Mortgage are quoted 39%, 40, but the Thirds are unchanged at 4%. In home railways Brighton A have advanced 1, Great Eastern 3%. Trunk Ordinary, 11 to 11%, Second Preference, 61% to 61%, Thirds, 28% to 28%. Mining shares somewhat neglected. Akankoos, % to 3%; Caliao Bis, 3s. 6d. to 9s. 6d.; Bratsburg, 13% to 13%; Colombian Hydraulic, 7s. to 9s.; Chontales, 4s. to 4s. 6d.; Frontino, % to 3%; Colorado, 1% to 1%; East Wheal Rose, 7s. to 9s.; Old Shepherds, 8s. to 10s.; Home Mines Trusk, 11s. to 13s.; Organos, 13s. to 14s.; Orita, % to 1; Oscar Gold, % to %; Transvaal, 20s. to 22s.; Victoria Gold, 2s. to 10s.; Wheal Crebor, 11% to 14%.—Closiny: Unified have advanced %. Brighton A and Dover A, though not at their best, still show a rise on the day, but the marked advance in American [railways has brought in sellers, and there is a

eral decline. Lake Shore and Atlantic Firsts are 1% below the highest hed. Trunks have also fallen; the Seconds are as to 60%, Thirds, 28%, inary, 10% to 11. Mason and Barry, 10% to 1. Rio Tinto, 15% to 16, wing no change.

MANCHESTEE SHIP CANAL.—A large number readers of the Mining Journal will regret that the result of the a g before the Select Committee of the House of Commons has been favourable to the enterprise. After an enquiry extending over a days the committee decided yesterday (Friday) afternoon that the preamble of the bill had not been proved. The bill was consequently rejected.

Sample	ed July[16, a	DOPPI			edenth	Jole	91	
Mines.	Tons.	Price.		Mines.		ons.		rice.
Mellanear	83	£21 7		nt		51		rice.
ditto	81	. 2 3	0 0	litto	**********	30		2 19
	79		0 Carn	Brea	**********	60	*****	2 19
ditto	76	2 3		oft	**********	. 60 .,	*****	2 13
	72			al Uny	**********	. 70		
ditto	71	1 9		litto	**********	. 23		10
ditto	70	2 3	0 Bota	llack	**********	. 10	1	
Levant	65	4 8	0 100	itto	*********	. 10		8 14
ditto	64	4 0	0		**********	. I	1	8 10
		TOTAT	PRODE	TOR				_
Mellanear Levant	532 4	21076 10	0 I Tiner	oft.	- 41		0 10	
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Carn Brea	60	169 10	0 Botal	look	*******	******	20	2
		103 10	o I Docu	MICK	11	******	10	15
OOMPA Nam Vivian and P. Grenfel Nevill, Dr Williams, Elliott's M	NIES BY V	WHOM T	HE ORE	Ton: 220 143 137 230	E PURO	Produ CHAS: Am £ 709 381 248 755	ED. nount 4 13 0 7	%
Tota	1		************	893	£	2651	19)
Date. July 29—Foxdale	dines.	Tons.	Price pe	ES. er ton.	. Panth	urch:	asers,	
Date. July 30—Standa	dines.	B L E Tons. 40	N D E Price p	er ton. 5 9	. Villier	rchas s Spe	ers. Iter C	o.
	_	BLAG	· K m	T NT	-			
		224	/ AL A.	LIN.				

QUICKSILVER-WAVE AMALGAMATOR COMPANY, LIMITED (MOON'S PATENT.)

FOR EXTRACTING GOLD AND SILVER FROM THEIR ORES.

The following is copy letter from the assayer to the Conrad Hill

The following is copy letter from the assayer to the Conrad Hill Mines, North Carolina:—

The Mines and Smelting Works of the Conrad Hill Gold and Copper Company, February 6th, 1884.

As regards assays of tailings from Moon's amalgamator—"It is only occasionally now that I make any tests for gold of the tailings in question, the result for the first two months, when samples were regularly taken, proving so uniformly satisfactory as to make the continuation of such unnecessary. The machine continues to do practically clean work.

Jos. NINNIS, Assayer."

Arrangements can be made to crush and treat some tons of ore

daily.

Mining engineers can make their own experiments, and carry away their own samples to be assayed.

The actual cost of treatment will be under 1s. per ton.

The company undertake that the results will be, at least, equalled in regular working. A machine 9 ft. by 2½ ft. can be attached to the batteries or stamp mills and be at work within a few hours after its delivery at the mine, and will treat 10 tons per 24 hours.

Information on all matters in connection with above can be obtained at the company's offices,—

27. THROGMORTON STREET RANK E.C.

27, THROGMORTON STREET, BANK, E.C. WORKS-17, WHARF ROAD, CITY ROAD (near the Canal), LONDON.

BY ORDER OF THE MORTGAGEE. EAST ROMAN GRAVELS LEAD MINE,

MINSTERLEY, SALOP.

FOR SALE, BY PRIVATE TREATY, the above VALUABLE MINING PROPERTY, adjoining the celebrated Roman Gravels Mine, together with the efficient Machinery and Plant.
Full particulars and all information to be obtained from Capt. ARTHUR WATERS, Radbrook House, Shrewsbury.

TO LIMA MINING COMPANY

The Board of Directors hereby give notice that they have this day

DECLARED a PREFERENCE DIVIDEND on the A capital of the

company for the year ending the 31st May, 1883, at the rate of TEN

SHILLINGS per share; and a DIVIDEND on the B capital of the

company at the rate of FOUR SHILLINGS AND FIVEPENCE

per share, both PAYABLE on the 31st instant.

By Order, WM. W. HOLMES, Secretary.

No. 35, Finsbury Circus, E.C., 30th July, 1884.

OSCAR GOLD MINING COMPANY (LIMITED). WANTED IMMEDIATELY, by the above company, for their Mines in Norway (two days' journey from England), a REDUCTION OFFICER who thoroughly understands his business in all its branches.

WANTED, a FEW CAPITALISTS to join in SECURING some very valuable GOLD MINING and LAND PROPERTIES, from which large profits can be made.

For particulars apply to Thomas Cornisu, M.E., care of Mining Large of Sec. 26. Flort stept. F.C.

For particulars apply to THOMAS CORNISH, M.E., care of MINING JOURNAL Office, 26, Fleet-street, E.C. A GENTS WANTED TO PUSH FIRST-CLASS MACHINERY

OILS commanding a large and successful sale. Liberal commission.
Address, " Box 201," Post Office, Liverpool.

MR. T. A. READWIN, F.G.S., has at his DISPOSAL, on very reasonable terms, a VALUABLE MINERAL PROPERTY Address Brixton, London, S.W

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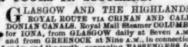
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Shares. 11000 Bedford Unit., c, Tavis. (\$1 lisb.) 0 19 0 15 14 15 0 1 0 0 1 0 May 158	10000 Brada, * ', Isle of Man 1 0 0 7 30000 British, * -i, bi, Wrexham 1 0 0 5 20000 British Maganese Company* 1 7 0 0 5 20000 Bwich United, * i, Cardigan 1 0 0	3000 Northern,* l, Durham
3200 Blue Hills 5, 6, 8k. Agnest 4 5 6 3 4 6 0 4 0 0 2 0 May 1821 8000 Carn Brea, 6, 6, 11loganti	20000 Bwich United,* i, Cardigan	60000 Owen Vean & Tregur., * t,c, Marazion 1 0 0 1 45000 Parys Corporation, * c, Anglesea 1 0 0
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28000 Mining Co. of Ireland, cl., c. f. 7 0 3 24 0 0 2 6 Jan. 1880 1829 North Hendre, f, Wales 210 0 318 0 3 0 4 0 Nov. 1882 1818 Ditto	12000 East Blue Hills, f, ft. Agnes 0 5 0 1/6	
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000 Tolima g, Colombos (Asnares) 2 0 0 7 5/5 5/3 24 4 10 5 0 10 5 0 10 6 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	5328 North Busy, t, c, Scorrier I 2 4 8. 22. 18, 22. 10000 K. D'sresby Mount, ", bl. Carnary. 1 0 0 25000 North Goginar, "i, Cardiganshire 1 0 7	4000 Ystwith, * i, Cardigan 1 0 0
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	7,	I have paid dividends.
NON-DIVIDEND FOREIGN MINES; FOREIGN COMPANIES; GAS, IRON AND COAL	AND MISCELLANEOUS STOCKS	TRAMWAYS; INSURANCE

NON-DIVIDEND FOREIGN MINES.	FINANCIAL AND INVESTMENT.	IRON AND COAL COMPANIES.	GAS COMPANIES
Shores. 50000 Akankoo.* g. Gold Cat. (100000 iss.) 1 0 0 36 34 54880 Anglo-African.* d. Kimberley.† 10 0 0 13 234 12000 Arendal. g. Norway 4 0 0 50000 Asia Minor, s.l. Lidgessy, Sivas 0 15 0 34 34 22000 Belt. * g. Lake Sup., (22000 24 paid) 5 0 0	FINANCIAL AND INVESTMENT. Fines. Shares. 49150 10 Aus. Mort. Aagency (L) Eng. issue 2 2½ 4½ 20000 25 Australian Agricultural 21½ 107 111 100000 10 Aust. & New Zealand Mort. (L) Bhs 1 1½ 1½ 101960 Bik Do. 4½ per cent. Deb. Block 100 97 99 00030 25 Aust. Mort. Land & Finance (L) 5 17 1776 592000 Bik Do., do. 4 per cent. Deb. Block 100 97 99	Shares, Company, Parid, Prics, 100 Abbot, John, and Co. 75 0 43 45 190 Ashbury Co. [Li] (new)	5000 20 Bahia [L]
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		20 Darlington Iron Co. [L]	25000 20 Motrop. of Melbourne Sp.c. Deb 21000 20 Monte Video (L)
200108 Hberhardt, s, Nevada*†	200000 8tk Do, 5 p. c. Guaranteed Pref 100 110 115 200000 8tk Do, 6 per cent. do 100 130 135 100000 10 S. Aust. Land Mort. & Agency [L] 2 234 234	8 Geni. Mining Ass. [L] (ful.pd.) 8 0 6 614 50 Knowles, Andrew, and Co. [L] 25 0 7 4734	27500 20Rio de Janeiro [L]
20000 Hoover Hill, g, North Carolina 1 0 0 1/4 X	INSURANCE COMPANIES.	10 Lydney & Wigpool Iron Ore [L] 9 12 11 10 Midland Iron Co. [L] 5 0 12 Nonkland Iron Co. [L] 5 0	TRAMWAYS.
450000 Indian Consolidated, *g 1 0 0 1/18 1/18 240000 Ind. Glenrock, *g, Wynaadt 1 0 0 1/18 1/18 100000 Iron Gate*cl.chr. Hungary 1 0 0 100000 I.X.L., g, s, Oalidorhia* 1 0 0 1/18 1/18 50000 Javall, g, Nicaragua* 2 0 0	INSURANCE COMPANIES Pd. Clos. pc.	25% Narby-Glob Blains(8p.o.prf.) 52 10 45 49 3 Nerbudda Coal and Iron (Li 254 1)4 2	Issue Shares Issue Shares Issue Shares Issue I
15000 Kapanga.* g. New Zealand 1 6 6 ½ ½ 100000 Kahineer,* s. Colorado 1 6 6 120000 Kongsberg,* s. Norway (14) 0 5 6 120000 Lisbon-Berlyn,* g. South Africa 1 0 0 ½ ½	50000 50 Eagle 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	25 Palmer's Shipblig. & Fron [L] 35 0. 23%, 24% 100 Parkgate Iron Co. [L]	250500 2 Brasilian Street Hallways al
\$50000 Lisbon-Berlyn, *g, Bouth Africa 1 0 0 3/4 5/4 65000 London and California, g*11 2 0 0 100000 Michipicoten, *nat. c, Quebec 1 t 0 9000 Missouri, t, pref (fully paid) 10 0 0 2 2 1/2 5/4 5/4 5/4 5/4 5/4 5/4 5/4 5/4 5/4 5/4	48528 20 L'pool & Lond, Globe (£1 annty) 2 23 4 4 4 5 5000 20 London and Lancashire Fire. 24 4 4 5 5000 20 London and Provincial Marine [L] 2 3 34 4 4 6 5 50000 20 London and Provincial Marine [L] 2 3 34 4 4 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10 Sandwell Park Colliery Co. (L) 10 0 27½ 30 100 Shotts Iron Co. (L) 100 0 27½ 30 25 Sheepbridge Iron and Coal (L) 20 0 26 6½	14690 10 Edinburgh Street Tramways all 15000 10 Edisburgh Street Tramway all 15000 10 Glasgow Tramway & Omni. [L]. J 10000 10 Hughes Loco, and Tram works, all 1500 10 Hull Street Tramways.
155000 Mysore," g, India†	50000 10 Merchants Marine (L)	50 Somorrostro Iron Co. (L.)	7500 10 Liverpool Unit. Tram & Om. [L] all 34000 10 Llordon [L] 25000 10 London [L] 15009 10 London Street Tramways all 60000 10 North Metropolitan
125000 Oeregum, g, Mysore	200000 10 Queen	25 Ditto ditto 8	15000 10 London Street Tranways 3
80000 Pierrefitte* (20000 pref.)	1,000 1,00	BANKS, Pd. Ciot. pr. 100000 10 Agra (L)	12000
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75000 Yorke Peninsula, c, 80. Australia 1 0 5 34 M 50000 Yuka River, g, Ayd California 3 0 0	8 Reuter's [L]	112509 10 Queensiand National [L]	by HENRY ENGLISH (the proprietors), at the state of the proprietors, at the state of the state o